

OSU 360:
DEVELOPING A VIRTUAL TOUR MAPPING INFRASTRUCTURE FOR
OREGON STATE UNIVERSITY

by

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A RESEARCH PAPER

submitted to

THE GEOSCIENCES DEPARTMENT
of OREGON STATE UNIVERSITY

in partial fulfillment of the
requirements for the
degree of

MASTER OF SCIENCE
GEOGRAPHY PROGRAM

June 2009

Directed by
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ACKNOWLEDGMENTS

I wish to first thank my Major Professor, Dr. A. Jon Kimerling. Dr. Kimerling acted as a great mentor during my Undergraduate Studies at Oregon State University and gratefully offered me the opportunity to continue my studies. Throughout this project he was incredibly patient and understanding of the many personal, technical, and logistical issues that arose during the creation of the OSU 360 system.

I also wish to thank the University Housing and Dining Services, without the support of this project would not be possible. Foremost of whom was Eric Hansen, who initially approached me with taking updated virtual tour photography of the campus residence halls and then allowed a shared vision of a complete campus virtual tour to be fostered into a reality. He provided the contacts, equipment, and software to push this project into a reality. A great thanks also goes to the rest of the Housing and Dining Marketing unit; Jennifer Vina, Megan Full, and Jessica Ward in particular. They provided the motivational support to overcome all obstacles and to keep the vision alive. Shelly Clark also deserves a shout-out, who as my supervisor in Residential Education allowed the flexibility to take on this academic pursuit while working as an event programmer in the department.

The technical applications of this project became a reality due to the efforts of various Central Web Services programmers. George 'Montana' Harkin, Shayne Huddleson, and Zach Payne all led the charge at various points through the project, under the supervision of Herb Vloedman. Photography was taken with the help of Daniel Crouch (Enrollment), Rithy Bein (student intern who led the project at the Hatfield Marine Science Center in Newport), and Sher Fenn (Central Web Services whom took photography at OSU Cascades in Bend). Content was developed with the help of Claire Bennett (Admissions) and Mary Beth Vanlue (University Housing and Dining Services). Layout, design, and web promotions were assisted by Web Communications, primarily 'the Davids' (David Barner and David Baker).

I wish to also thank my friends in helping with various aspects of the project; in particular Breanna Mead, Jennifer Walgrave, and Karolyn Raffaele.

And as always a big thanks to my family. Without their love and support this project never could have happened.

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Introduction:

The era of traditional paper maps is coming to a close, and new digital maps are allowing the options of a custom tailored map best fit for the individual user's sense of perception. With the rise of technology, the opportunity to extend map capabilities is filled with a wide realm of technological exploration to expand cartography. Online software presentations including Google Maps¹ and Microsoft Live Search² provide easy to understand mapping interfaces that actively load geographic imagery based upon the user's requests. Most mapping interfaces still operate on general cartographic principles such as cardinal orientation and representation on a flat surface as observed from overhead. Using these basic principles of mapping does have merit. A person, however, does not necessarily think in this traditional spatial fashion with a constant orientation and birds-eye view, as this is not what the human mind naturally perceives from a first person perspective.

Providing 'virtual tours' is a growing field that centers on providing spatial representations controlled by, and tailored to, a first person perspective that is natural to someone standing at that location. The virtual nature of these systems is made possible by the world-wide-web, giving people an alternative to actually being at the location. Virtual tours typically consist of media (videos and photos primarily) that allow for a fluid transition over a virtual representation of space. Currently, virtual tours are most often utilized for real estate purposes so that a potential property purchaser can properly scout out diverse locations without actually going there or trusting a text-based description.

Universities are beginning to use virtual tour technology to create representations of services and features existing over a small geographic area. At Oregon State University, a new mapping interface³ was launched during the Spring of 2008 using Google Maps with a combination of custom-tailored raster and vector datasets containing useful information such as parking areas, bus routes, and building locations. Having almost limitless geographic information display options can be overwhelming, and it was acknowledged that traditional cartography has limitations in terms of ease of use and

understanding, which potentially could be resolved through the development of an online virtual tour.

Oregon State University is a land-grant university that has a deep history and focus in agriculture since its beginning in 1868 as Corvallis State Agricultural College⁴. This agricultural focus and the campus location in the Willamette Valley far from Oregon's metropolitan centers allowed the college to expand over the years into the university of today. For visitors, the large campus extent represents a daunting task of learning and understanding the campus layout and design over an expansive area with many features and opportunities which may be largely unknown to people on campus. Various university departments and units saw the benefit of providing resources for an alternative mapping interface for the Oregon State University main campus and extensions across the state.

University Housing and Dining Services (UHDS) began the discussion that led to this project, since spatially speaking their facilities are spread out across campus. In addition it was observed that employees and others found it difficult to develop an



Figure 1, Housing's Virtual Tour System, Used as a Foundation for OSU 360.

understanding of where facilities are in relation to the important landmarks and facilities on campus. The on-campus housing and dining facilities have distinct east, west, and south sides that are near the border of campus. UHDS also maintains a family housing facility and ownership of a residential complex located along the north boundary of

campus. To a potential resident, hearing ‘south’ side without additional context means little, and the potential resident would have no idea if the location was close to his or her classes and desired activities. UHDS previously developed a virtual tour system⁵, similar to real estate companies, which focused on the interior room layout and the options available (*Figure 1*). The location on campus was virtually ignored. Internal monitoring of online traffic revealed that this portion of the website was one of the most visited features, and feedback to UHDS Marketing from on-location tours showed positive reactions as well. Since UHDS already had the virtual tour equipment, it was only a matter of building partners to expand their project to a campus-wide tour system that was beneficial to housing and other campus departments.

Other departments were contacted for involvement and three had the vision to embrace the project. Web Communications was responsible for the presentation and feel on the Oregon State University website. Their objectives were mainly aesthetic in nature and based on users’ ease of navigation and understanding of the information the university wants to portray. Spatial information was already found as tricky to portray, and simultaneously Central Web Services began to look at options for a new campus mapping system to replace an aging product that was difficult to maintain as well as to portray an extensive amount of information.

Central Web Services was responsible for the technical aspects of the website such as programming, storage, and database development. After finding out about the simultaneous projects, Central Web Services took their ideas and combined them with Web Communications to create a Google Maps-based Campus Map (*Figure 2*) which is currently in use. This map interface allows users to choose what dataset layers they want portrayed in either raster (featuring bus stops and a wireless signal strength indicator) or vector format (featuring bus routes and shape files for building size and strength). Central Web Services and Web Communications saw extensions of their individual goals in the creation of a virtual tour interface that actively was connected to the new campus map.

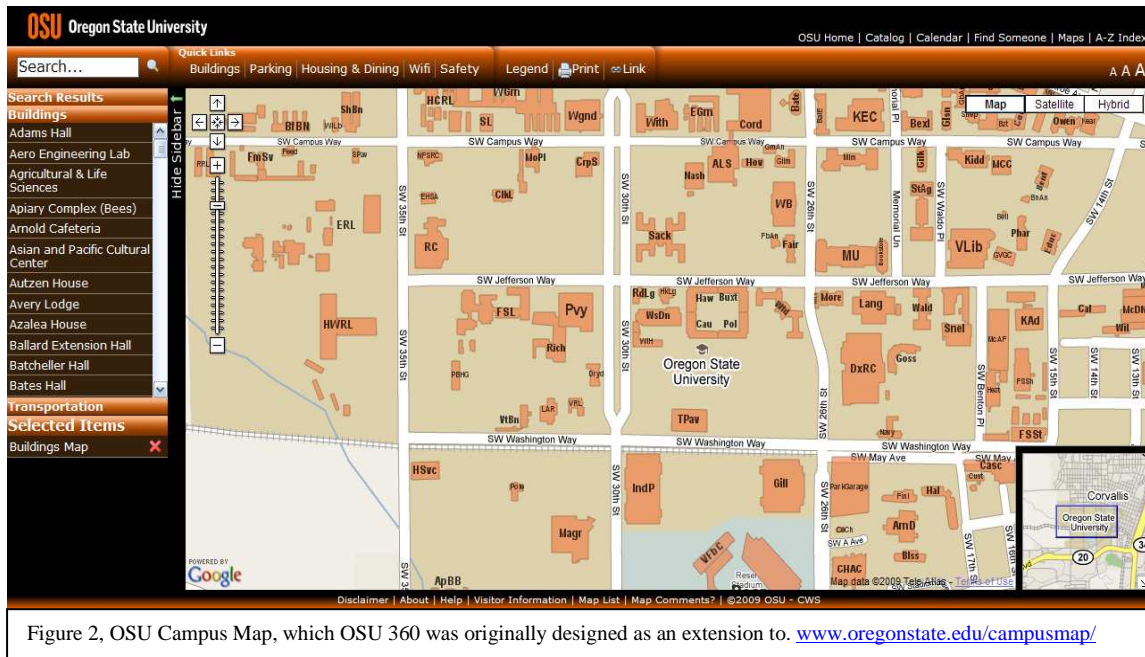


Figure 2, OSU Campus Map, which OSU 360 was originally designed as an extension to. www.oregonstate.edu/campusmap/

The final department to join the project was campus Admissions, which is responsible for promoting the campus to potential students, and also hosts the campus visitor center which offers tours across campus. The new campus map and the development of virtual tours, collectively called OSU 360, were seen as an opportunity to take their campus tours onto the web. In addition, OSU 360 was seen as an opportunity to advertise and develop an extensive listing of building features and histories with a centralized location to display this information, with links to additional information based on the campus geography. For example, a visitor to the virtual tour site could go to Fairbanks Hall on campus and learn about the Art and Sociology departments, information on the art gallery in the building, and the building's history as a dormitory.

Objectives:

To accomplish the diverse goals and justifications of the project, as outlined by the various partners, the following objectives were established:

1. Research and identify existing virtual tour systems used by similar universities.
2. Identify software and hardware packages for virtual tours.
3. Construct a database system to allow relevant information to be easily input.
4. Identify locations on campus suitable for virtual tour photography.
5. Catalogue a collection of existing campus photography, and identify those needed.
6. Develop communication with applicable campus partners about the project and secure buy in to the project.
7. Develop integration of the virtual tour system with the existing campus map.
8. Establish integration for the virtual tour system with the Oregon State University website's index system.
9. Develop a campus tour using virtual tour points to start with as a guided portion of the interface.
10. Develop integration for the virtual tour system with the existing Housing and Dining tours.
11. Establish multiple ways of navigating through the virtual tour system.
12. Develop a publicity plan for the launch of this system and for monitoring and collecting user feedback and accessibility data.

Procedure:

The OSU 360 Team consisted of about a dozen individuals from various Oregon State University departments and units. I, Scott Waggoner, was quickly appointed the project lead, representing both University Housing and Dining Services (as a marketing intern) and the Department of Geosciences (as a graduate candidate). From University Housing and Dining Services, we had members from the Marketing and Assessment team, and ResNet (Residential Networking). Web Communications brought forward web developers and graphic designers. Central Web Services offered web programmers. Admissions members on the team included a photographer from Enrollment, and the Director of Campus Visits from the campus visitor center.

To present this project as a viable option, University Housing and Dining services located existing examples of virtual tour systems at universities that have similar characteristics (spatial size, student size, type of location). Two primary systems were identified as examples on which to base further modeling. The lead from University Housing and Dining Services, Associate Director Eric Hansen, located and pushed the Harvard University Virtual Tour⁶ as a basis (*Figure 3*). It was a project from 1999 that identified a few key locations across campus for Quicktime VR (virtual reality) based imagery, linked to important information and events that occur at the locations. My personal preference was the University of Arizona's Department of Residence Life's Hall Description pages⁷ that featured newer Quicktime VR interfaces that fluidly link from external locations (like Harvard) to interior housing locations (like the pre-existing UHDS website at Oregon State). For our project, we decided to use design elements of both to begin our planning- with the Harvard system as an example of exterior locations to be included on the tour, and Arizona's interior location system as an example of integration with building exteriors.

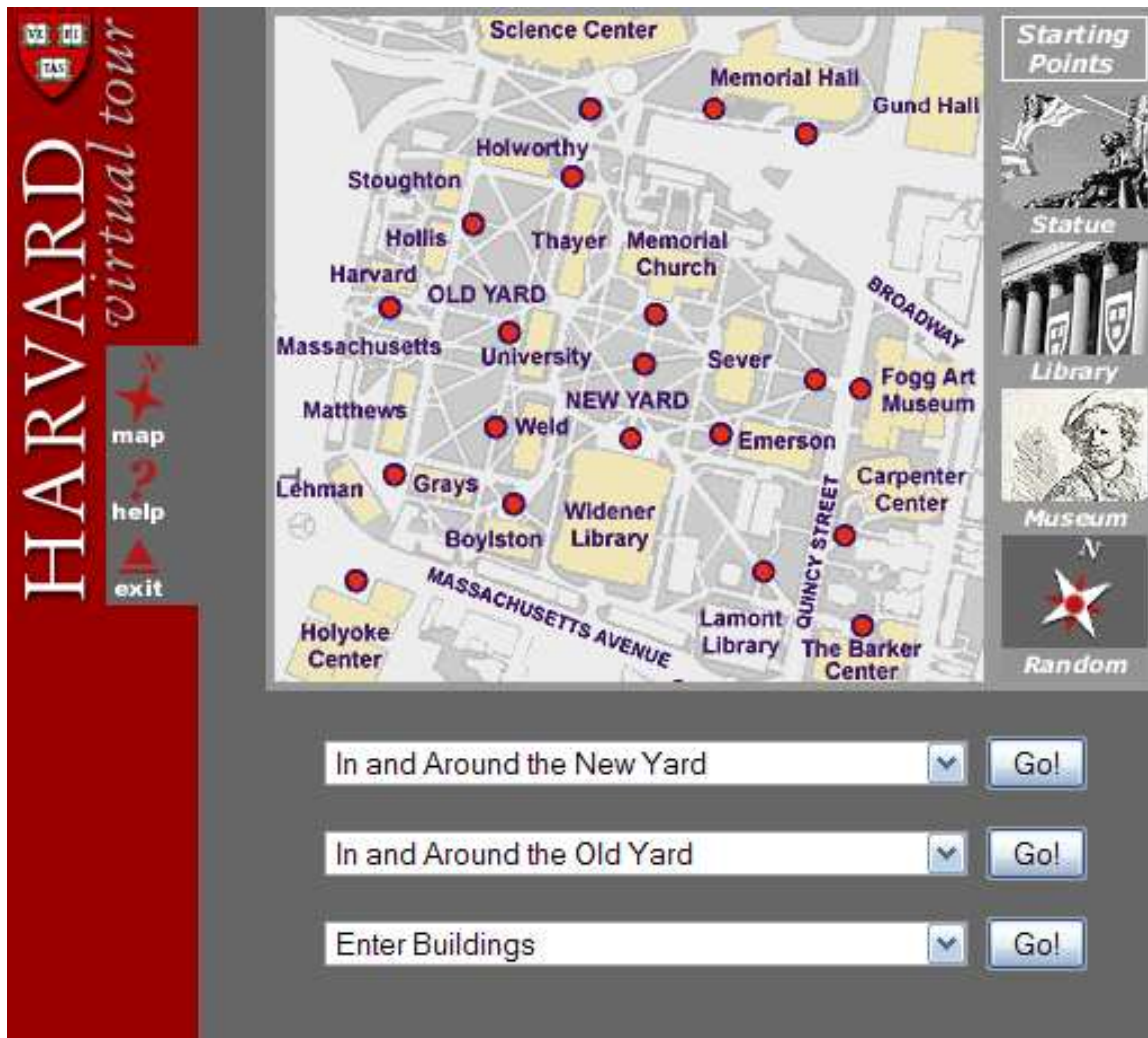


Figure 3, Harvard Virtual Tour, used as a resource for dealing with exterior locations in OSU 360.

Software

After reviewing examples, I was tasked with identifying software packages that existing virtual tours use, and to test them for what would work best for Oregon State University. The existing packages (including the UHDS pre-existing interface) were found to rely upon Quicktime VR technology (QTVR). QTVR was still functional, however, support from the developer was pulled from owner Apple in 2002 and has since been stalled in providing tools for QTVR development that support newer systems⁸. Significant errors were found with browsers that use tabs (the QTVR interface cursor would not disappear if you were in a 'tab' under the same browser window), and in the new 64-bit based Windows Vista operating system (which did not support QTVR). Beyond the technological perspective, from the user standpoint QTVR was seen as

problematic since it is part of the Quicktime player. The Apple Quicktime player is not included with internet browsers as a default (except on MAC based systems), and unlike other media players is not a simple plug-in to install⁹. The user must download and install the software outside of the browser, which is often bundled with the unrelated iTunes software.

An alternative option found was to use a newer Flash-based VR interface¹⁰. This option has been popular based on the success and mainstream status of Flash as multimedia software. Flash is included with many web browsers and if not, it is a quick and simple plug-in download. On most systems it has already been installed since it is used by many of the most frequented websites. Developers from a multitude of companies have created simple VR viewers that are similar in user access (commands and display) to QTVR. The downside of Flash VR is that the software simply takes a pre-rendered panoramic image and allows navigation from a zoomed-in perspective that loops the end and start of the image. This means that from the software options available, a projection distortion of areas closer to you (i.e., the ground below the image) either does not exist or is poorly accomplished, unlike the QTVR counterpart. Due to the growing use of Flash and the errors encountered with Quicktime VR, the project team decided to proceed with Flash.

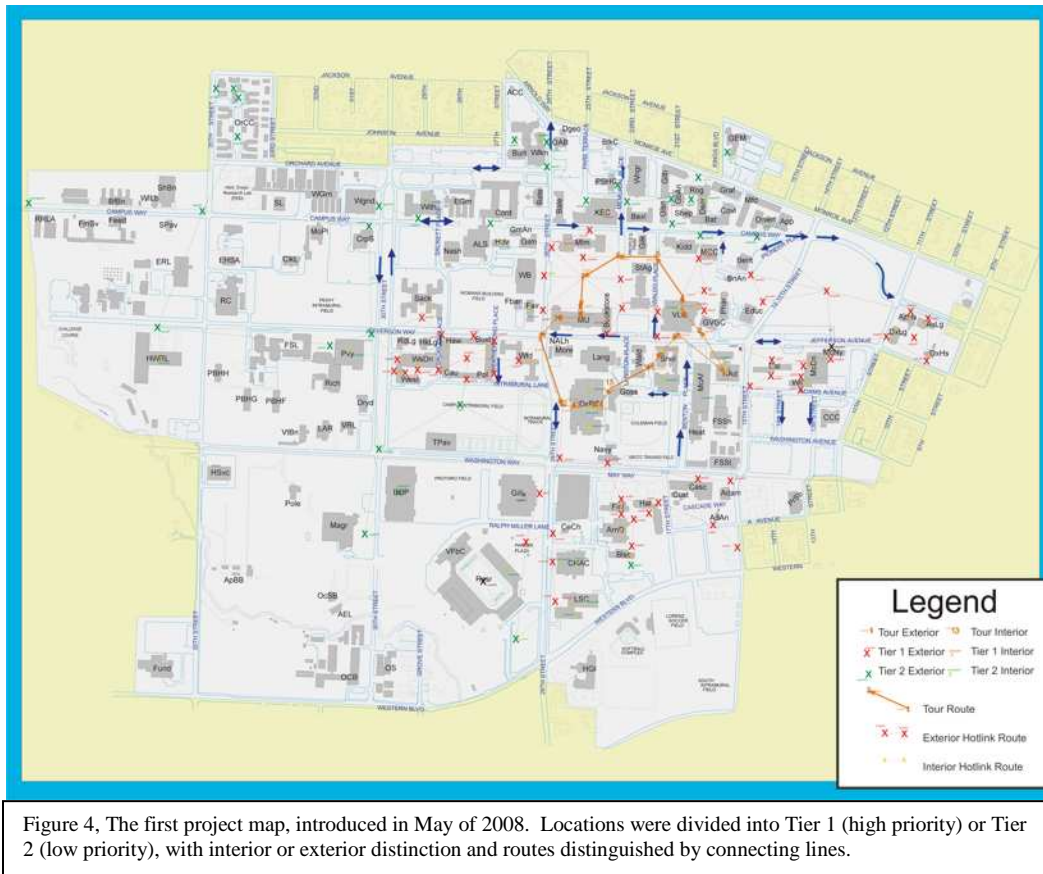
Based upon the software package agreed upon, a database needs to be developed to allow for ease of use in the web design portion of the project. For example, a user would only need to enter in a few pieces of information (such as the description and a link to the picture file) for the database to automatically adjust and update the website. To develop the database, Central Web pledged resources for a MySQL-based system which is compatible with editing from a variety of web code formats¹¹. MySQL is a relational database system which automatically updates all affiliated pages, such as when News websites want to change a headline on all of their individual articles with one simple process. The individual pages load from this centralized database, allowing for easy updates if tailored correctly for the site functions.

Identifying Locations

For identifying locations suitable for the campus virtual tour, preliminary maps were developed with the locations of buildings clearly visible for review by the committee by e-mail or at project meetings. This information was referenced to a spreadsheet containing a linked location abbreviation to the map, a full title for the location, a brief description of what part of the location, and the locations that it would travel to/from on the virtual tour. Locations prioritized for inclusion were based upon the following criteria;

1. If they were a UHDS facility
2. If they were a location on or around the on-campus tour by Admissions
3. Their relevance to students
4. Their distance from the campus core
5. Their importance to visitors coming to campus (such as for special events or conferences).

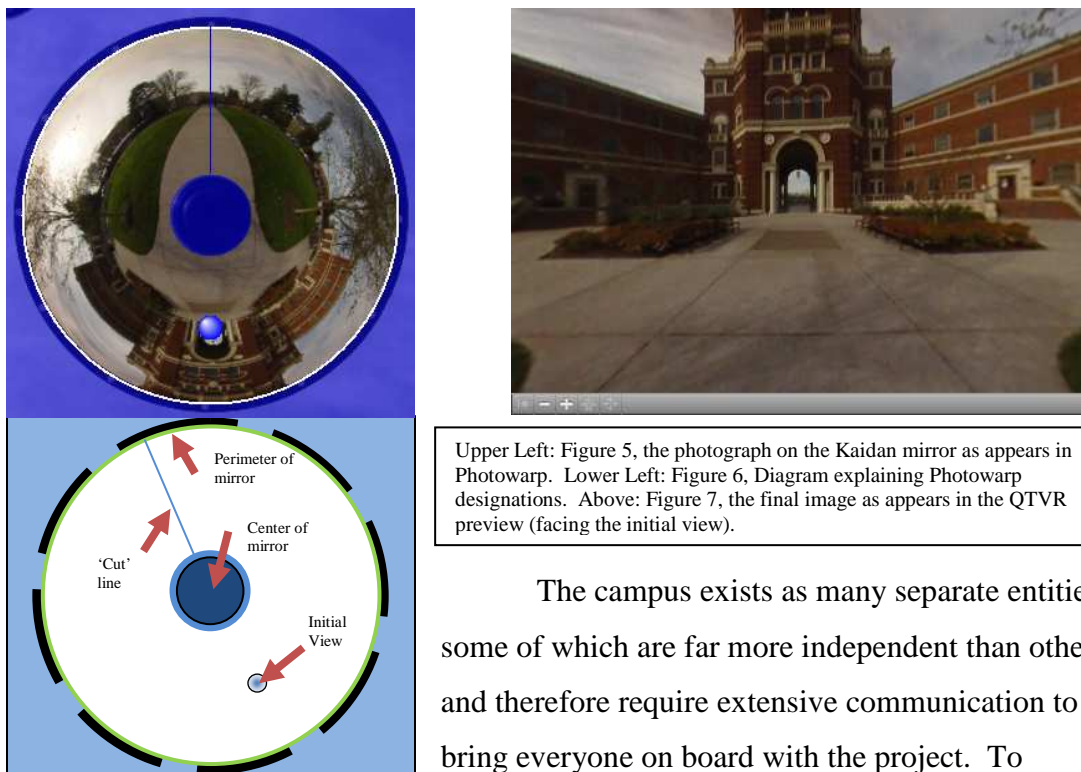
Using these priorities, locations were further scaled into ‘Tier 1’ or ‘Tier 2’ (*see Figure 4*), in which Tier 1 locations were of high priority for release and Tier 2 locations could be processed for inclusion at a later time.



This location map was used for a plan to obtain photography at the sites. I served as the head photographer using the specialized 360 equipment. The equipment setup consists of a Sony Cybershot camera that points directly up into a fish-eye Kaidan¹² mirror that reflects the surrounding area (360 degrees horizontally and 180 degrees vertically) as a warped projection. In conjunction with a photographer from Admissions, static ('normal') photography was additionally taken for all locations using professional Nikon digital cameras. Static photos were taken of the front side of the building, often with a sign or other distinguishable features of the building. They were then scaled down for use as preview thumbnails on the campus map descriptions. Since the 360 photography (*as seen in Figure 5*) appears distorted, these photos worked as a frame of reference for people who might know generally what a building looks like. The finalized photography was labeled, organized, and processed by myself based upon the abbreviations obtained in the locations map.

Processing Locations

Processing warped photography involved using Photowarp 2.5.4 software¹³, designed to take the picture of the mirror and unwrap it into a variety of usable formats (*Figure 5, explained in Figure 6*). In this case, the outputs were a QTVR-based image and a panoramic JPEG (both based on cylindrical projections). The QTVR 'preview' (*Figure 7*) was a quick way of seeing what an unwrapped photo would look like without a need for any of the web-code or programming required for Flash, which has to be played through an Internet browser. Programmers from Central Web Services took the Flash VR coding and modified it for our needs, which navigates and distorts the panoramic JPEG.



Upper Left: Figure 5, the photograph on the Kaidan mirror as appears in Photowarp. Lower Left: Figure 6, Diagram explaining Photowarp designations. Above: Figure 7, the final image as appears in the QTVR preview (facing the initial view).

The campus exists as many separate entities, some of which are far more independent than others, and therefore require extensive communication to bring everyone on board with the project. To

accomplish this communication, locations identified for interior photography had the building manager or marketing team contacted for their input on the chosen location and photographic style. Additionally, I was tasked with providing a template for a model release form and guidelines for photographers to be respectful of locations and individual's legal rights.

To develop integration with the new campus map, tasks were assigned to implement a process for entering/exiting the virtual tour interface from the campus map. In addition, it was decided that the system should be aesthetically similar in layout and

design to the campus map. Web Communications was tasked with developing this, keeping in mind the color scheme, fonts, placement, and language already used on the new campus map. Central Web Services committed to further develop the campus map and evaluate the options for entering and exiting the map. This was accomplished by providing a virtual tour layer for the campus map that linked to the virtual tour interface. The layer allows users to be able to click on icons (signifying locations within the virtual tour) which bring up a description bubble containing the location title and a thumbnail photo to preview the location. Clicking in the bubble will virtually move someone to that location in the tour interface. When in the interface, there is an embedded small version of the map centered on the location, with similar functionality as the full-sized campus map. To return to the campus map (with the virtual tour layer on), a link was prominently placed near the top of a navigational links section on the left side of the interface.

In addition to the campus map, a degree of integration was required with the index system for the campus website, so that the virtual tour interface was accessible from a variety of high traffic locations. For example, there is a section of the campus website for visitors to campus which could have an option for taking a virtual tour. This part of the project was completed by Web Communications with input and feedback from the team. They evaluated the existing website setup to locate sites where a link to the system might be appropriate. Other partners were requested to link to the virtual tour interface from their departmental pages, such as with UHDS linking to the virtual tour website to see their buildings and from the Admissions' site to see a virtual version of the campus tour.

In addition to the existing tour points, I worked with the Campus Visitor Center to develop a virtual version of the campus tour. The theory was that if people don't know where to start or what to see, a specified tour would be helpful in getting users oriented to the system and campus. Tour points and the tour path are identical to the campus tour given to campus visitors, representing various key points of the University. Descriptions of these locations were slightly different, focused less on the specific location and more on what they represent and relate to in terms of campus features. To differentiate tour

points from other locations in the OSU 360 system, they were highlighted using a different icon and included a 'next' and 'previous' button.

To fulfill the need for integrating housing and dining facilities to allow for a spatial understanding of the facilities relative to each other and to other locations on campus, a method needed to be developed to transition from an individual room (as in the existing UHDS virtual tours) to an exterior virtual tour location of the building which interfaces into the greater OSU 360 system. To accomplish this, main lobby areas were included that offer a transition, as well as allow transit through buildings to allow the user to reach the other side. For example, in a courtyard surrounded by housing buildings users could either choose to exit through an archway that keeps them outside, or exit by entering a building and exiting to the other side. The existing UHDS virtual tour system was reworked in favor of using the newer photography that is linked into the OSU 360 system.

Location Navigation

To facilitate user ease of understanding, several different methods of navigating through virtual tour points were planned. The most visible method is to navigate the 360 image and look for orange boxes that can be clicked on to move in that direction (*Figure 8, Box 1*). Another method is to use the embedded campus map that pinpoints where you are and click on other locations to go there (*Figure 8, Box 2*). The last method is a list of text links to neighboring locations, providing an alternative to the boxes on the imagery (*Figure 8, Box 3*). All of these methods rely on using the mySQL database being developed by Central Web Services, requiring input of the location's spatial coordinates (in latitude and longitude), specifying each location's neighbors, and providing XML coordinates for the 360 image to portray a box that is linked to the neighbors.

The 'orange boxes' are Hotspots that link one from picture-to-picture/ location-to-location. These boxes had to be defined behind the scenes as pixel value coordinates in XML¹⁴. The vertical ('y') pixel tends to place the hotlink in the center of the image, so the user does not have to pan up or down. Since the images are actually jpegs processed through a flash viewer, there is a start and end to the image that is connected together. The distance from the start of the image (left side) in pixels on the 'x' axis is the

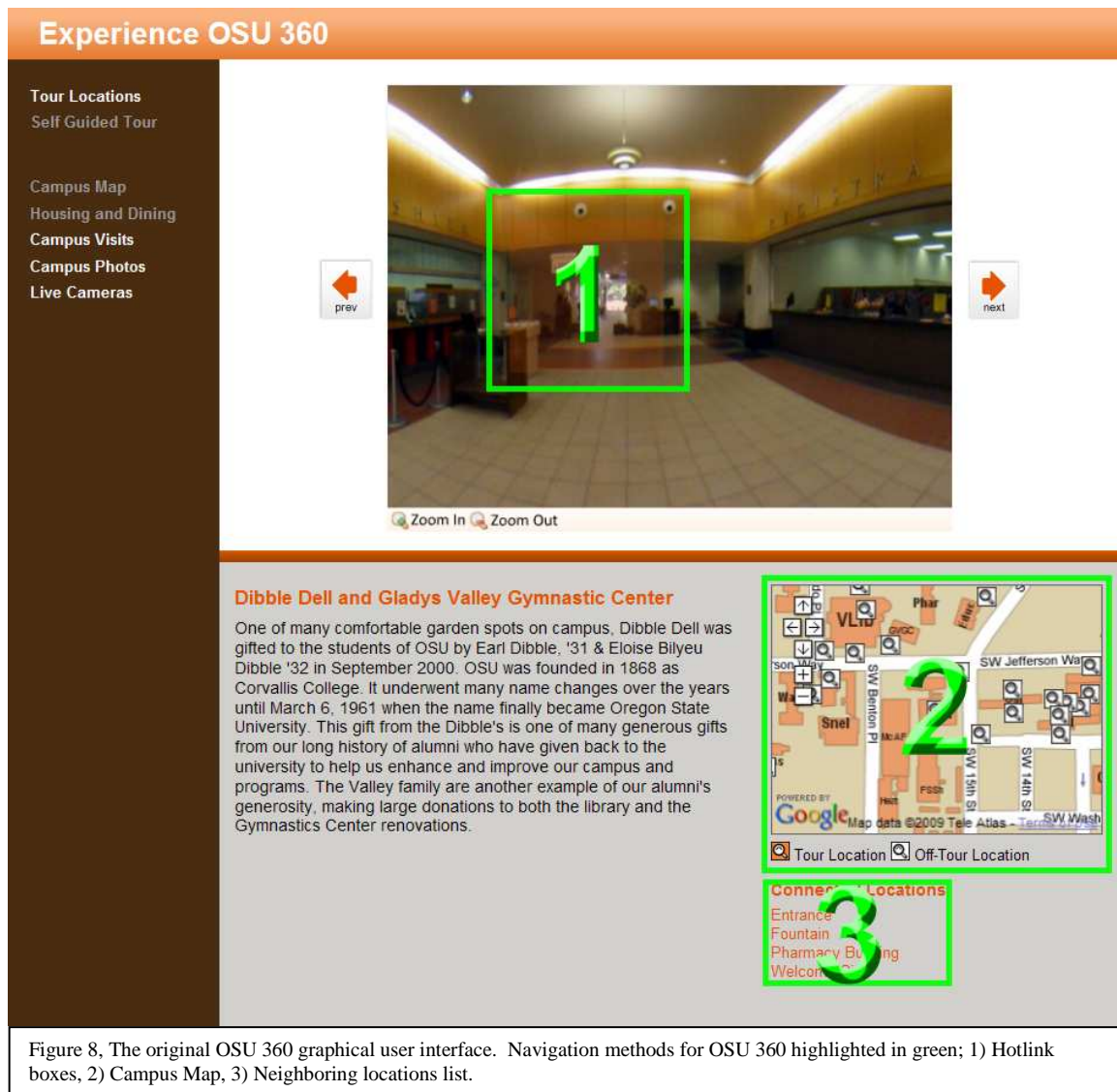
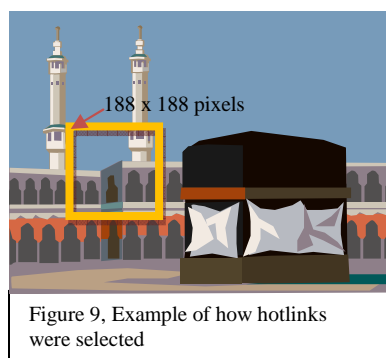


Figure 8. The original OSU 360 graphical user interface. Navigation methods for OSU 360 highlighted in green; 1) Hotlink boxes, 2) Campus Map, 3) Neighboring locations list.



important information point, found using a graphic design program (in the case of this project Corel PhotoPaint¹⁵).

The hotspot boxes used currently are 188 x 188 pixels in size (Figure 9), and by using Corel PhotoPaint with the same-sized boxes I was able to preview the hotspots being added to the system before adding the data to the MySQL database.

To publicize the system at its release and for future use, the task was given to UHDS. To accomplish this task, a graphic designer developed a graphical identity and text to be used on postcards to be handed out at the premiere. The premiere was scheduled to coincide and be partnered with University Days (a campus all-departmental

series of displays and seminars to present what the University is doing and offering to incoming students). Each of the four partner units involved was expected to distribute postcards and provide information about the project. UHDS and Central Web Services hosted interactive displays allowing people to try out the interface, and allowing project-affiliated staff to monitor for suggestions and feedback.

Response:

On September 18th, 2008 (University Day) a multitier release of the project was accomplished. University Day is the annual opportunity for all OSU faculty and staff to gain an understanding of what each department is doing. The collaborative partners each had a display and OSU 360 postcards to hand out. Central Web Services had a featured display set up with a computer, allowing visitors to try out the OSU 360 system, with a staff member on hand to take feedback. UHDS had an additional computer setup to view their facilities. On the web, the release was spotlighted by a mention on the Oregon State University's front page (www.oregonstate.edu), the addition of a link on the Admissions websites¹⁶ for visitors (*Figure 10*), staff blogs for the various departments^{17,18} (*Figures 11 and 12*), and on the UHDS main page. Prior to release, there was not an opportunity to test the system for usability and understanding outside of the OSU 360 committee. Initial response on site at University Days was very positive, with the only concern being a lack of ability to find a way to request additions to the system.

Future Students

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Visit OSU

Oregon State University welcomes future student visitors all year long. We encourage you to visit to see what an OSU student's typical day is like. You will have the opportunity to learn about our academic programs, sit in on a class, tour the residence halls and take a student led tour of campus. We look forward to seeing you in Corvallis.



About OSU

- Admissions
- Virtual tour
- Student life
- Student Organizations
- Athletics at OSU
- Student Orientation
- Parent and Family Resources

Current Students

- How to be a TOUR Coordinator

Ask Us A Question

Upcoming Events

- Cesar Chavez Tribute Month**
April 1st - April 22nd
- Holocaust Memorial Week**
April 20th - April 24th
- Mom's Weekend**
May 1st - May 3rd

Open House Programs at OSU

We have several full-day and half-day programs during the year to provide you an in-depth look at OSU.

Create Your Own Visit

Our friendly TOUR Coordinators are happy to assist you in planning a personalized campus visit.

Group Tours

If you have a group of prospective students you would like to introduce to OSU, we can provide a guided campus tour and an admissions presentation on a space available basis.

Experience OSU 360

Check out the new OSU Virtual Tour and Campus Map options with 360 degree views!



Figure 10, Admissions website for Future Student (OSU 360 mention on lower right) <http://oregonstate.edu/visitosu/index.html>

Dialog
Web Communications at Oregon State University

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« YouTube video contest | Thoughts on content management »

Collaboration yields LIFE in 360 degrees
Posted September 17th, 2008 by Dave Baker

Web Communications is happy to have played a role in a pair of Web projects debuting tomorrow during University Day.

LIFE@OSU is a new publication for and about the people that make OSU work: our faculty and staff. It is a combination print and online publication that is taking over after the retirement of OSU This Week. The online edition will push the content into new directions by including companion video and audio, plus additional photography. Dialog is encouraged with each article giving readers the opportunity to post comments. Letters to the editor are encouraged, and the "Commentary" feature will highlight some of the leading university voices. This project is a collaboration of the Web Communications, News and Communications Services and University Marketing offices of University Advancement.

An campuswide team collaborated to create **Experience OSU 360**, a virtual tour integrated with the campus map. Led by Housing and Dining, with help from Central Web Services, Enrollment Management, University Advancement, the Campus Visitor Center and more, this project truly stretched across departments and reached across divisions to push OSU's online experience in a new direction.

I'm glad our office could be a part of these projects, and we look forward to more partnerships in the future: diverse experience and talents always yield stronger results.

This entry was posted on Wednesday, September 17th, 2008 at 10:08 pm and is filed under **Web Communications**. You can follow any responses to this entry through the **RSS 2.0** feed. You can [leave a response](#), or [trackback](#) from your own site.

Figure 11, Web Communications Blog Announcement
<http://oregonstate.edu/ua/webcomm/blog/2008/collaboration-yields-life-in-360-degrees/>

Future Students
OSU Home » Future Students » Admissions Blog

OSU Admissions Blog

OSU Unveils New Interactive Campus Map: Experience OSU 360
September 18th, 2008 at 6:49 am

A workgroup made up of folks from [Central Web Services](#), [University Housing and Dining](#), Enrollment Management, the [TOUR office](#) and Admissions have developed a serious upgrade to the campus map.

Some of the newer features include [360-degree shots](#) at different campus locations, static campus pictures, and descriptions of buildings and programs within them.

[Experience OSU 360!](#) More enhancements and expansion of the interactive, 360 degree tour areas are planned for the near future.

-bv & dc

ADD THIS

Posted in Uncategorized, campus life, orientation/new students |

Figure 12, OSU Admissions Blog Announcement
<http://oregonstate.edu/admissions/blog/2008/09/18/osu-unveils-new-interactive-campus-map-experience-osu-360/>

Redesign

Due to time limitations, many features had to be scrapped at the last minute. For example, of the initial proposed locations only those from Tier 1 were included. Since photography took place over the summer, students were also away from campus and many of the housing facilities were unavailable for interior location pictures which were part of the original goal of the project. A revised Tier 2 was envisioned with primarily Housing and Dining locations in mind as opposed to the original growth of the system into the campus periphery. During October, this photography was largely completed and an internal test of the OSU 360 system revealed issues with the added photography. Since each location had an icon associated with it, nearby locations (i.e., parts of a dining center or a residence hall) would have significant overlap and cause confusion when presented on the map. This overlapping was even more pronounced when locations were located at the same longitude and latitude coordinates, albeit at different elevations. For example, the Memorial Union has a recreational area located directly below its food court¹⁹. This vertical overlap created a need for a new way of thinking for the system since the Committee agreed ease of future expansion was a must, especially given the feedback at University Days.

‘Tier 2’ transitioned from an expansion of the existing location database to an expansion of the system as a whole. With feedback from the various departments, Tier 2 set forth a variety of new goals;

- A new building ‘index’ system would be developed to address the overlapping of icons; locations would be listed by the building they are located within or around.
- The campus tour would be removed from the existing location set and converted into a separate and limited version of the overall system.
- Due to anticipated involvement from OSU’s Satellite Campus in Bend (OSU Cascades), OSU’s Hatfield Marine Science Center in Newport, and OSU Extension Service offices throughout the state, it was decided that the Corvallis campus version of OSU 360 would be one of many and therefore the site would be designed to facilitate multiple campuses and tours.

- Instead of building ‘indexes’, tours would have the tour locations listed in sequential order.
- A ‘You are Here’ icon would be added to the campus map (a star).
- The layout of the page would be readjusted
 - The miniature campus map would be made more prevalent by moving it to the upper right
 - The full-scale campus map displaying all virtual tour locations would be an introduction page within the OSU 360 system (as opposed to a link leading to the campus map website)
 - The layout would conform to new design standards being set by OSU’s new Media Manager²⁰ (*Figure 13*) for displaying the campus video (color changes, unique background texture added,

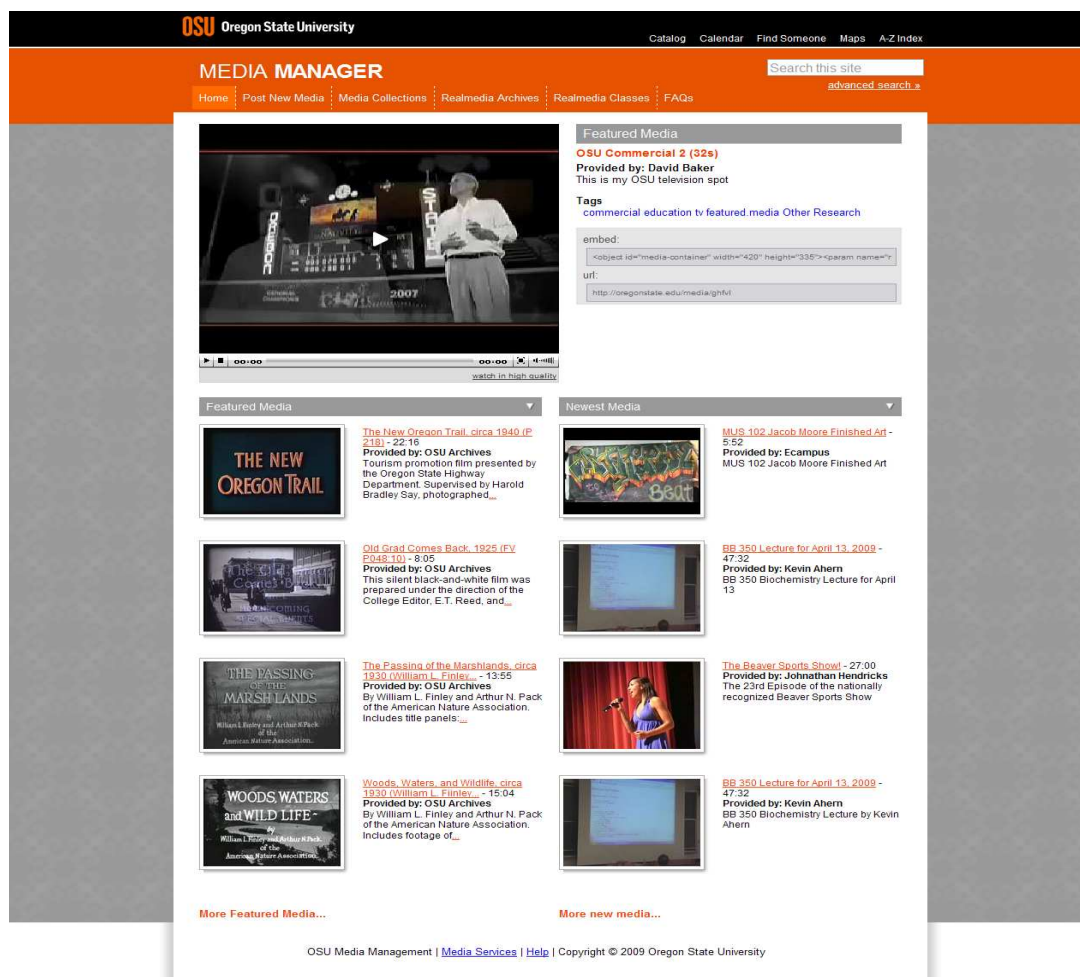


Figure 13, OSU Media Manager

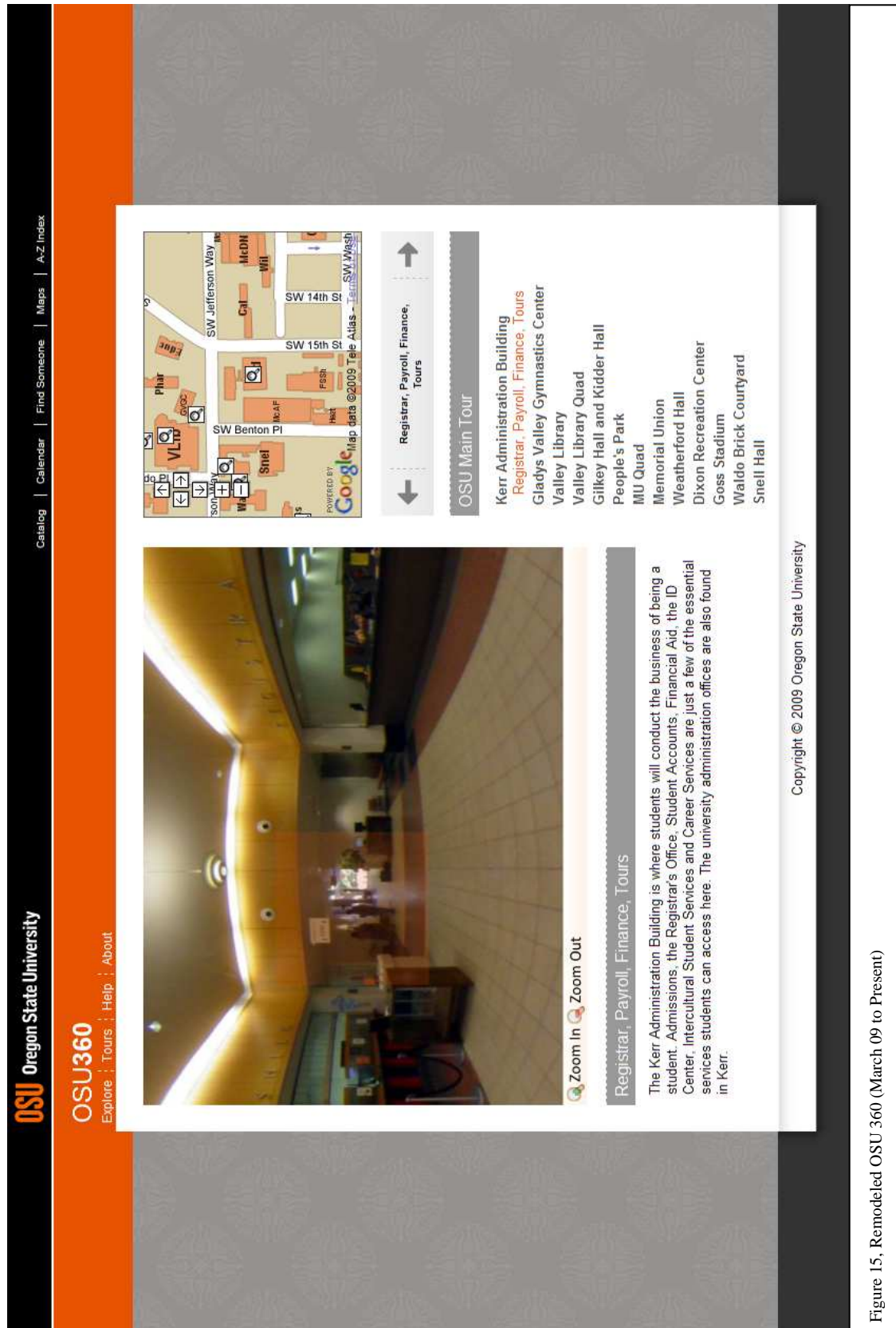
and navigation accomplished through a top navigation bar instead of the original left navigation bar).

- The neighboring locations box and method of navigation would be removed (unnecessary with the building index/ tour index being added)
- An 'About' and 'Help' section would be added for information about the project and how to navigate.

The 'index' system specifically addresses the building icon overlap issue, aimed at reducing the number of icons on the map. Instead of a large number of icons for each 360 location, a single icon represents an entire building. If someone clicks on that map icon, a default location is used and the list of locations associated with that building is presented. If on a tour, the list is replaced by a sequential tour list with the current location highlighted. On both lists, if you aren't in the building that appears on a list (a future/past building on the tour or a nearby building), then only the building title is presented as opposed to every location within that building. 'Tier 2' was released in March of 2009, and a comparison of 'Tier 1' (*Figure 14*) and 'Tier 2' (*Figure 15*) are displayed on the following pages.



Figure 14, Original OSU 360 (Sept. 08 to March 09)



Summary:

The aim of the project was to find and develop a new form of mapping that has enough functionality to engage the user, while not too complex to confuse and “lose” users. By developing a virtual tour of campus, OSU 360, we now allow first-time visitors to long-time faculty members to easily navigate and learn about campus features from a spatial perspective. The strength of the system comes from the variety of methods to navigate it, opening up a great deal of accessibility to a wide audience.

There are many options available in the future of this project, as it has a lot of room for future scalability and development. Since the interface acts as essentially a brief description and database for buildings, the content potential can be expanded. Ideas have been suggested such as links to buildings with similar purpose, tours of a building done by video, and having a photo gallery with photographs of alternative perspectives and people engaged in activities at the location. Significant concern and care will have to be taken to ensure making sure that there aren't too many features, which can make an interface unusable.

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APPENDICES

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Appendix A. Data Tables

Table 1.1a

Location Identification and Descriptions

Table 1.1b

Location Coordinates, Filenames, and Initial Views

Table 1.2

Hotspot Identification and Destination

Table 1.3

Proposed Site Information

Appendix A: Table 1.1a, Location Identification and Descriptions

The table on the following page presents the data used in translating name and description identifications into a numerical association for use in the MySQL database. Further information is located on *Table 1.1b*.

Key to Data Fields

‘id’- numerical designation for a location; used for MySQL associations.

‘name’- the title of the location as appears on the website (note- these typically are cardinal entrances for a given building the location is associated with).

‘description’- a roughly 75 word description of the location, including any html coding for hyperlinks.

id	name	description
3	Parking Services	Transit and Parking Services is the resource for questions about where to park and how to obtain a parking permit. TAPS also provides information about alternative methods of transportation to campus.
4	East Entrance	Arnold Center is home to the Arnold Bistro and Cascadia Market . Arnold Center accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard, checks and cash. Located across the street from Gill Coliseum and Reser Stadium, offers a variety of traditional American fare, grilled burgers, fries and shakes, Mexican favorites, and an extensive salad bar. Cascadia Market at Arnold Center carries an extensive selection of food and sundries for your convenience. For hours of operation, please visit the food @ OSU website . For more general information, please visit the University Housing and Dining Services website .
5	North Entrance	Avery Lodge houses 55 men, and is located on the east side of campus. The cooperatives are democratically managed by student membership. Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Avery Lodge does not have an elevator. Avery Lodge has a square footage of 12,299. For more general housing information, please visit the University Housing and Dining Services website .
6	Cooperative House Quad	The Cooperative Quad is an outdoor meeting place for the four University run Cooperative Houses on the east side of campus- Avery Lodge , Azalea House , Dixon Lodge , and Oxford House . Volleyball, Basketball, and Ultimate Frisbee are often played here with the house members, and social events such as luaus, barbeques, and dances occasionally occur in coordination with the house social programming teams. For more general housing information, please visit the University Housing and Dining Services website .
7	North Entrance	Azalea House is home to 55 women on the east side of campus. The cooperatives are democratically managed by student membership. Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Azalea House does not have an elevator. Azalea House has a square footage of 10,912. For more general housing information, please visit the University Housing and Dining Services website .

		http://oregonstate.edu/uhs >University Housing and Dining Services website .
8	Bell Tower	Dedicated in 2002, the bell tower, or Pape Campanile , is a generous gift from the Pape family to memorialize H. Dean Pape, an Oregon Agricultural College Alumnus, 1942.
9	South Entrance	The oldest building on campus, Benton Hall, is the home of the Music department.
10	North Entrance	Bl oss Hall is a residence hall located in the Arnold Complex, across the street from Reser Stadium. Bloss has a community service learning theme, and houses approximately 280 residents. Bloss Hall offers suite style housing, with two double-resident rooms sharing a private bath. The building has accessible entrances on both the north and south main entries of the building, and an elevator to reach all seven floors. Bloss has a square footage of 84,755. For more general housing information, please visit the University Housing and Dining Services website .
11	East Entrance	Buxton Hall was recently renovated in 2000, and is connected to Hawley Hall . There is a full time resident director serving Buxton and Hawley Halls, seven resident assistants, and one faculty in residence. Rooms are coed by neighbor with a men's and women's bathroom at the center of each wing. Buxton and Hawley halls serve as a residential community for students studying or interested in majors within the College of Health and Human Sciences (HHS) . First-year residents create a living environment related to majors of interest in the college such as Nutrition and Exercise Science, Public Health, Human Development and Family Sciences or Design and Human Environment. Buxton Hall has an accessible entrance located on the corner of Weatherford Place and Jefferson Street. Buxton also has wheelchair accessible facilities, and an elevator to reach all five floors. For more general housing information, please visit the University Housing and Dining Services website .
12	Housing and Dining Central Office	University Housing and Dining Central Office is the home for administrative and directorial staff for UHDS, including Assignments and Room Management, UHDS Information Technology, Marketing, Assessment and Communications, the Residence Hall Association, Late Night Activities, and Student Conduct. It is located between Hawley and Buxton Halls on the first floor (access from Jefferson street). Residential Computer Support (ResNet) is located at the OSU Computer Help Desk in the Valley Library. For more general housing information, please visit the University Housing and Dining Services website .
13	Residential Quad	The Residential Quad is a courtyard where large events are held by the four surrounding Residence Halls- Hawley , Buxton , Poling , and Bell .

		href="http://oregonstate.edu/uahs/halls_coops/overview/building.php?bldg=cauthorn">Cauthorn Halls . Large barbeques, dodge ball tournaments, luaus, and concerts are often held here throughout the year, coordinated by Hall governments and by the Residence Hall Association. For more general housing information, please visit the University Housing and Dining Services website .
14	North Entrance	Callahan Hall houses approximately 350 residents. There is a full time resident director and ten resident assistants. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Callahan Hall has accessible entrances located on the north and south main entrances of the building. Callahan has an elevator to reach all six floors. Callahan has a square footage of 72,698. For more general housing information, please visit the University Housing and Dining Services website .
15	South Entrance	Callahan Hall houses approximately 350 residents. There is a full time resident director and ten resident assistants. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Callahan Hall has accessible entrances located on the north and south main entrances of the building. Callahan has an elevator to reach all six floors. Callahan has a square footage of 72,698. For more general housing information, please visit the University Housing and Dining Services website .
16	Printing and Mailing	Cascades Hall contains art studios, the Department of Public Safety and Printing and Mailing Services.
17	West Entrance	Cauthorn Hall now offers term by term contracts on one floor. Students agree to complete the entire academic term of the UHDS Contract, with the option to renew the contract for subsequent terms. Note that there is an additional cost for the contract flexibility. Cauthorn hall also houses approximately 200 guests, and serves as our academic year conference housing . Cauthorn Hall has an accessible entrance located on the interior of the residence hall quad, and an elevator to reach all five floors. Cauthorn has a square footage of 58,397. For more general housing information, please visit the University Housing and Dining Services website .
18	Centro Cultural Cesar Chavez	The Centro Cultural César Chávez was established to provide a location and facility for programming various academic, cultural, recreational and social events related to the Chicano/Latino/Hispanic culture and heritage. It exists to support different ethnic and cultural peoples' pursuit of their educational goals and the retention of their culture. Further, it strives to inform both the respective cultural groups and the greater university communities about issues central to the Chicano/Latino/Hispanic culture and heritage.
19	CH2M Hill Alumni Center	The CH2M HILL Alumni Center is a beautiful 45,000 square foot meeting and conference facility at Oregon State University. The Center features a wide variety of spaces to accommodate everything from large regional and national conferences to smaller local meetings, and social events.
20	Goss Stadium	Goss Stadium is home to the two time national championship baseball team. Currently undergoing an expansion to increase seating capacity. Tickets to athletic events are free

		to currently enrolled students and can be picked up at the ticket office in Gill Coliseum.
21	West Entrance	Dixon Lodge is an all women's Cooperative House, housing approximately 60 women on the east side of campus. The cooperatives are democratically managed by student membership. Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Dixon Lodge does not have an elevator. Dixon Lodge has a square footage of 11,514. For more general housing information, please visit the University Housing and Dining Services website .
22	West Entrance	Dixon Recreation Center is a student fee funded program that supports the health and well being of OSU students. Free weights, resistance machines, cardio equipment, racquetball, swimming pool, basketball courts and an Indoor Climbing center are just a few of the amenities of Dixon.
23	Parking Garage	With 1000 parking spaces the parking garage at 26th and Washington offers convenient parking to access campus.
24	Trysting Tree	The trysting tree is a symbol of tradition on OSU's campus. It is the name of the school's golf course and it is even mentioned in our alma mater song "Carry Me Back". Although the original tree is no longer, cuttings from the original grey poplar were grafted to create Trysting Tree II in the original location.
25	East Entrance	Very few of the building's on OSU's campus are built of something other than brick. Fairbanks Hall was originally a men's dormitory. Now it is home to the Art Department and the Sociology Department .
26	North Entrance	Finley Hall houses approximately 350 residents on 6 floors. It also has an ROTC program focus on one wing. In collaboration with various academic and student services departments, the community strives to promote a concept of a balanced lifestyle. There is a resident director serving Finley Hall and at least one resident assistant (RA) on each floor. Finley Hall has accessible entrances located on the north and south main entrances of the building. Finley has an elevator to reach all seven floors. Finley has a square footage of 85,897. For more general housing information, please visit the University Housing and Dining Services website .
27	South Entrance	Finley Hall houses approximately 350 residents on 6 floors. It also has an ROTC program focus on one wing. In collaboration with various academic and student services departments, the community strives to promote a concept of a balanced lifestyle. There is a resident director serving Finley Hall and at least one resident assistant (RA) on each floor. Finley Hall has accessible entrances located on the north and south main entrances of the building. Finley has an elevator to reach all seven floors. Finley has a square footage of 85,897. For more general housing information, please visit the University Housing and Dining Services website .
28	Gill Coliseum	Legendary Gill Coliseum is home to OSU's Athletic department and Ralph Miller Court named such to honor our winningest basketball coach in OSU's history.

29	North Entrance	Built in 2003, Halsell Hall houses approximately 200 upper-class residents. Halsell Hall is a continuously operating hall, open during breaks in the nine-month academic year. Halsell Hall offers suite rooms, with four single or two double bedrooms sharing a common area with kitchenette and one-and-a-half bathrooms. Halsell has accessible entrances on the east and west main entrances of the building. Halsell has an elevator to reach all four floors, and wheelchair accessible facilities. Halsell has a square footage of 77,188. For more general housing information, please visit the University Housing and Dining Services website .
30	South Entrance	Built in 2003, Halsell Hall houses approximately 200 upper-class residents. Halsell Hall is a continuously operating hall, open during breaks in the nine-month academic year. Halsell Hall offers suite rooms, with four single or two double bedrooms sharing a common area with kitchenette and one-and-a-half bathrooms. Halsell has accessible entrances on the east and west main entrances of the building. Halsell has an elevator to reach all four floors, and wheelchair accessible facilities. Halsell has a square footage of 77,188. For more general housing information, please visit the University Housing and Dining Services website .
31	West Entrance	Hawley Hall was recently renovated in 1999, and is connected to Buxton Hall . Rooms are coed by neighbor with a men's and women's bathroom on each floor. Buxton and Hawley halls serve as a residential community for students studying or interested in majors within the College of Health and Human Sciences (HHS). First-year residents create a living environment related to majors of interest in the college such as Nutrition and Exercise Science, Public Health, Human Development and Family Sciences or Design and Human Environment. Hawley Hall has an accessible entrance located on the corner of Sackett Way and Jefferson Street. Hawley also has wheelchair accessible facilities, and an elevator to reach all five floors. For more general housing information, please visit the University Housing and Dining Services website .
33	Dixon Indoor Climbing Center	The Climbing Center boasts the largest collegiate wall in the northwest. The Outdoor Rec Center is another unique service that rents outdoor equipment, helps plan trips and provides advice to students. A bike and ski workshop is also available with tools to help you tune up for the season.
35	Registrar, Payroll, Finance, Tours	The Kerr Administration Building is where students will conduct the business of being a student. Admissions, the Registrar's Office, Student Accounts, Financial Aid, the ID Center, Intercultural Student Services and Career Services are just a few of the essential services students can access here. The university administration offices are also found in Kerr.
37	Giustina Gallery	LaSells Stewart Center (LSC) contains the 1200-seat Austin Auditorium, which is internationally known for acoustical excellence, with a fully equipped stage, dressing rooms, orchestra pit, and state-of-the-art sound and lighting. Giustina Gallery and the Murdock Exhibit Area located in the lobby area are spacious art display areas that showcase various exhibits ranging from Northwest to nationally recognized artists. LSC

		also offers several break out rooms and a luxurious board room to accommodate all types of conference and event needs.
38	Main Computer Lab	http://oregonstate.edu/is/mediaservices/scf/ Milne Computing Center has a 24 hour computer lab for students to access.
39	Milam Auditorium (Mlm 026)	Milam Hall is home to the College of Health and Human Science and several of its unique programs including Nutrition and Exercise Science, Human Development and Family Sciences, Design and Human Environment. Milam also houses the college's student advising office in room 116. It contains the largest lecture hall on campus which seats 712 students. Milam Hall is also home to the History Department.
40	Lounge	The http://osumu.org/ Memorial Union was built through a totally student driven effort to memorialize students who fought in World War I. Completed in 1927, the building is the center of student life on campus. No classrooms are located in this building- just space to meet, socialize and relax.
41	Inside	The OSU Bookstore is a student governed, not-for profit cooperative. Students receive an 8% discount on all textbooks. The bookstore also carries all the OSU Beaver gear you will need to root on our athletic teams, in addition to electronics, art supplies and gifts.
42	Commons	The seven shops in the Memorial Union, located in the heart of the campus offer a variety of options to meet your needs. There are places that provide students with healthy, inexpensive food to go or sit down restaurants and coffee shops where you can relax and enjoy you meal. In the Memorial Union, your payment options include http://mycard.oregonstate.edu/ OSU Card Cash, Visa and MasterCard and cash. Your choices include Bites Convenience Store, http://osumu.org/pdf/menu_bb01.pdf Buenos Burritos, http://www.carlsjr.com/ Carl's Jr., Java Stop, http://www.pandaexpress.com/ Panda Express, http://oregonstate.edu/~hickamj/index.php Pangea Café, and http://www.togos.com/ TOGOs. For hours of operation, please visit the http://oregonstate.edu/foodatosu/hours/ food @ OSU website.
43	Student Leadership and Involvement	Student Leadership and Involvement encompasses the 300 + student clubs and organizations including ASOSU. Snell Hall is known as MU East since is houses several student life and support services. Counseling and Psychological Services, Legal Advocate, ASOSU, International Programs, Student Media, the Office of Community and Diversity are some of the offices located here.
44	Entrance	The Valley Library renovated in 1999 won Library of the Year that year, the first academic library to receive this recognition. The library contains volumes of books and electronic resources for students. The Collaborative Learning Center provides tutoring for several disciplines in one place. There are several computers available for students to use, as well as laptops and private study rooms which can be checked out by students.
45	2nd Floor Rotunda	A quiet place to study or space to meet with a study group, the rotunda has 5 floors. Some levels are zoned quiet while others allow talking. One of our many caffeine resource centers on campus, http://oregonstate.edu/~spiveyl/index.php Java II is located on the first floor of the library rotunda. It provides space for students, staff and faculty to gather over a cup of coffee, relax between classes or catch up on some work.
46	Welcome Sign	The Kerr Administration Building is where students will conduct the business of being a student. Admissions, the Registrar's Office, Student Accounts, Financial Aid, the ID Center, Intercultural Student Services and Career Services are just a few of the essential services students can access here. The university administration offices are also found in Kerr.
47	South	The Kerr Administration Building is where students will conduct the business of being a

	Entrance	student. Admissions, the Registrar's Office, Student Accounts, Financial Aid, the ID Center, Intercultural Student Services and Career Services are just a few of the essential services students can access here. The university administration offices are also found in Kerr.
48	South Entrance	Kelley Engineering Center meets the LEED Gold Standard of green buildings. It is also home to the school of electrical engineering and computer science . Student Health Services located just north of Kelley, offers non-emergency care for OSU students, as well as health education and promotion. Notice the Blue Light , this is one of the many safety measures OSU has in place to protect the well being of our students.
49	Gilkey Hall and Kidder Hall	The College of Liberal Arts is located in Gilkey Hall. The College of Business is located in Bexell Hall. Most of the other buildings along Campus Way contain the various engineering disciplines that make up the College of Engineering.
50	Entrance	LaSells Stewart Center (LSC) contains the 1200-seat Austin Auditorium, which is internationally known for acoustical excellence, with a fully equipped stage, dressing rooms, orchestra pit, and state-of-the-art sound and lighting. Giustina Gallery and the Murdock Exhibit Area located in the lobby area are spacious art display areas that showcase various exhibits ranging from Northwest to nationally recognized artists. LSC also offers several break out rooms and a luxurious board room to accommodate all types of conference and event needs.
51	Southwest Corner	Milne Computing Center has a 24 hour computer lab for students to access.
52	West Entrance	McNary Central Dining houses seven unique restaurant locations varying from a cooked to order stir fry bar to Starbucks coffee. McNary Central Dining accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard, checks and cash. McNary Central offers dining options ranging from fresh salads, soups and vegetarian entrees, to a cook to order stir-fry bar, Oregon Natural Beef burgers and hand-dipped shakes, to made to order Italian pasta and pizza specialties and fresh blended smoothies. For hours of operation, please visit the food @ OSU website . For more general information, please visit the University Housing and Dining Services website . Restaurants: Boardwalk Café , Calabaloo's Gourmet Burgers™ , Casa Della Pasta , Casa Della Pizza , The Garden Deli , Main Squeeze Smoothies , RainTree Coffee Co.™
53	East Entrance	McNary Central Dining houses seven unique restaurant locations varying from a cooked to order stir fry bar to Starbucks coffee. McNary Central Dining accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard,

		<p>checks and cash. McNary Central offers dining options ranging from fresh salads, soups and vegetarian entrees, to a cook to order stir-fry bar, Oregon Natural Beef burgers and hand-dipped shakes, to made to order Italian pasta and pizza specialties and fresh blended smoothies. For hours of operation, please visit the food @ OSU website . For more general information, please visit the University Housing and Dining Services website . Restaurants: Boardwalk Café , Calabaloo's Gourmet Burgers™ , Casa Della Pasta , Casa Della Pizza , The Garden Deli , Main Squeeze Smoothies , RainTree Coffee Co.™</p>
54	North Entrance	<p>McNary Hall houses approximately 300 residents on 5 floors, and is the University Honors College residence hall. McNary Hall is home to many students who are admitted to the University Honors College, as well as students who place considerable focus on their academics and scholastic achievement. In McNary Hall, you will find a community of scholars, complemented by classroom space, study rooms, and trained academic advisors located within the facility. McNary Hall offers co-ed by neighbor double and single rooms, with a men's and women's bathroom on each floor. McNary has accessible entrances located at the west entrance, near McNary Dining Center. McNary has an elevator to reach all six floors, and wheelchair accessible facilities. McNary has a square footage of 67,800. For more general housing information, please visit the University Housing and Dining Services website .</p>
55	Lower Campus	<p>Below Benton Hall, the college's original building, sits another scenic and sprawling lawn with an avenue of elm trees whose path leads straight to Benton's front steps. The careful layout of campus can be credited to the Olmsted firm whose company created OSU's original campus plan in 1909. Both the students and the residents of Corvallis benefit from this beautiful space. Each year DiVinci Days, a three day festival celebrating art, science and technology is held here.</p>
56	South side	<p>Milam Hall is home to the College of Health and Human Science and several of its unique programs including Nutrition and Exercise Science, Human Development and Family Sciences, Design and Human Environment. Milam also houses the college's student advising office in room 116. It contains the largest lecture hall on campus which seats 712 students. Milam Hall is also home to the History Department.</p>
57	Entrance	<p>Milam Auditorium is the largest lecture hall on campus. At its capacity it seats 712 students. The auditorium is also used for events and special lectures.</p>
58	Front Steps	<p>The Memorial Union was built through a totally student driven effort to memorialize students who fought in World War I. Completed in 1927, the building is the center of student life on campus. No classrooms are located in</p>

		this building- just space to meet, socialize and relax.
59	Brick Courtyard	The brick mall that flanks the Memorial Union quad serves as a meeting place, a marketplace and a concert spot on campus. It is one of the main corridors of campus, connecting Campus Way and Jefferson Street. The OSU bookstore overlooks the brick mall. Summer Sessions holds its Wednesday noon concert series here during the summer. As well, several vendors visit campus to sell their goods from tents along the mall.
60	South Entrance	The OSU Bookstore is a student governed, not-for profit cooperative. Students receive an 8% discount on all textbooks. The bookstore also carries all the OSU Beaver gear you will need to root on our athletic teams, in addition to electronics, art supplies and gifts.
61	MU Quad	The Memorial Union Quad is the center of campus activity. Events, information fairs and often free food can be found in the quad throughout the year. When the sun comes out, you will find students use the lawn for studying, socializing and playing. Bordering the quad are the Women's Building to the west, Milam Hall to the north, Strand Agricultural Hall to the east and of course the Memorial Union.
62	Navy ROTC Center	Once called West Point of the West, OSU is home to ROTC units for all four military branches: http://nrotc.oregonstate.edu/ Air Force, Army, Marines and Navy.
63	South Entrance	http://oregonstate.edu/uhs/halls_coops/overview/building.php?bldg=oxford Oxford House is home to approximately 38 women on the east side of campus. The cooperatives are democratically managed by student membership. Two to five students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Oxford House does not have an elevator. Oxford House has a square footage of 12,016. For more general housing information, please visit the http://oregonstate.edu/uhs University Housing and Dining Services website.
64	East Entrance	http://oregonstate.edu/uhs/halls_coops/overview/building.php?bldg=poling Poling Hall houses approximately 220 residents on 4 floors, and is part of the residence hall quad on the west side of campus. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Poling Hall has an accessible entrance located at the west entrance, off of Weatherford Place. Poling Hall has an elevator to reach all five floors, and wheelchair accessible facilities. Poling has a square footage of 57,685. For more general housing information, please visit the http://oregonstate.edu/uhs University Housing and Dining Services website.
65	Poling Office	University Housing and Dining Services Poling Administrative Office is the home for the Financial and Business Services unit of UHDS, as well as Dining Services culinary development and food inventory management staff. It is located on the first floor of Poling Hall, in the west wing. The entrance can be found in the breezeway between Poling and Cauthorn Halls. For more general housing information, please visit the http://oregonstate.edu/uhs University Housing and Dining Services website.
66	Pride Center	The Pride Center provides programs and support services for lesbian, gay, bisexual, trans, queer, questioning and intersexed members of the OSU community and their allies. The Pride Center affirms the identities and empowers the lives of LGBTQI people by providing education, outreach, program support, consultation, community development, visibility and advocacy. The Pride Center is a safe space for all members of our community to explore aspects of sexual orientation and gender identity in an open and non-judgmental atmosphere.

67	Parker Plaza	The original stadium was built in 1953. The original stadium was known as Parker Stadium. Its original name was Parker Stadium, in honor of a Portland businessman Charles T. Parker. Mr. Parker had a huge part in the original fund raising of the stadium. The stadium was renamed in June of 1999 honoring Al and Pat Reser, who made a long term seven figure gift to the athletic department. The Raising Reser campaign brought the current capacity to 43,300 and seeks to further boost seating to 55,000 through three phases of renovation.
68	Reser Stadium Field	The original stadium was built in 1953. The original stadium was known as Parker Stadium. Its original name was Parker Stadium, in honor of a Portland businessman Charles T. Parker. Mr. Parker had a huge part in the original fund raising of the stadium. The stadium was renamed in June of 1999 honoring Al and Pat Reser, who made a long term seven figure gift to the athletic department. The Raising Reser campaign brought the current capacity to 43,300 and seeks to further boost seating to 55,000 through three phases of renovation.
69	South side	Sackett Hall is one of OSU's oldest and most unique residence halls, housing approximately 300 residents. Sackett recently had upgrades done to improve the infrastructure (i.e. upgraded windows, new bathrooms, new electrical, etc.). Sackett Hall offers double rooms, single gender floors, and rooms with separate sleeping porch and walk-in closets. There is a resident director serving Sackett Hall and at least one resident assistant (RA) on each area of the hall. Sackett Hall has an accessible entrance on the north side of the building, located near the parking area. Sackett has wheelchair accessible facilities, but does not have an elevator. Sackett has a square footage of 161,487. For more general housing information, please visit the University Housing and Dining Services website .
70	Waldo Brick Courtyard	Waldo Hall is the home of many departments and programs, most notably, the Academic Success Center. For help with tutoring, writing or selecting a major this center is full of helpful people. The advising office for the University Exploratory Studies Program is located here. Public Health, Anthropology, Educational Opportunities Program are other programs located in Waldo.
71	Student Sustainability Center	The university recently acquired a small house adjacent to campus (738 SW 15th Street) and the SSI has restored and converted the house into a sustainability center, similar to the cultural centers that already occupy our campus. Our intent is to make the building as "green" as possible, complete with renewable energy, a composting system and a demonstration organic garden. We are currently collecting literature and resources from local environmental groups, both on and off the OSU campus, for our library.
72	Strand Agriculture Building	Strand Agriculture Building is home to the College of Agricultural Sciences and the University Honors College .
73	People's Park	People's Park was relocated to its new location west of Gilkey hall in 2004 to make room for the new Kelley Engineering Center. It provides a nice grassy space for students to relax. Peoples Park is steps away from the MU Quad, Milam Hall, Strand Agriculture Building and Gilkey.
74	Valley Library Quad	The Library Quad is surrounded by academic and student resource buildings. The College of Agricultural Sciences and the University Honors College are located in Strand Hall, the College of Science is across the quad in Kidder. The Women's Center is a resource for all students to learn more about women's issues. Milne Computing center offers students 24 hour computer access. While the bell tower let's students know what time it is.

75	Pharmacy Building	OSU has the only accredited PharmD program in the state of Oregon. The gymnastic team holds open practices in the Gladys Valley Gymnastic Center (GVGC), which at one time was Oregon Agricultural College's playhouse. The Science and Math Investigative Learning Experience (SMILE) program also has their offices in the GVGC.
76	Dibble Dell and Gladys Valley Gymnastic Center	One of many comfortable garden spots on campus, Dibble Dell was gifted to the students of OSU by Earl Dibble, '31 & Eloise Bilyeu Dibble '32 in September 2000. OSU was founded in 1868 as Corvallis College. It underwent many name changes over the years until March 6, 1961 when the name finally became Oregon State University. This gift from the Dibble's is one of many generous gifts from our long history of alumni who have given back to the university to help us enhance and improve our campus and programs. The Valley family are another example of our alumni's generosity, making large donations to both the library and the Gymnastics Center renovations.
77	Fountain	
78	Corner of Waldo and Jefferson	The lot at central campus is a metered lot for short term visitors to OSU. Near the heart of campus, the library, Memorial Union, Snell hall, and Waldo are all easily accessed from here. Down the hill from this point is the Kerr Administration Building which is the starting point of the campus tour.
79	Statue of Martin Kukucin	This status of Martin Kukucin, a Slovak poet, dramatist, and publicist was created by Ivan Mestrovic in 1977 represents one of 32 major works of art donated over the years by alumni and friends.
80	East Entrance	Once the women's' gymnasium, the Women's Building, provides space for several physical activity courses including swimming (one of three pools on campus), dancing, yoga, Pilates and a host of other fitness opportunities. The Women's Building also houses the Dean's Office of the College of Health and Human Sciences.
81	West Entrance	West International Hall is home to many students who seek an international experience on campus. West International Hall offers suite style housing, with double-resident rooms sharing a private bathroom. West houses approximately 215 residents, and was renovated in 1998. West International Hall is home to many students who seek an international experience on campus. West houses students from around the country, as well as students who plan to study abroad, or participate in English Language Institute and International Programs . West has accessible entrances located on the west and east facing entrances. West has an elevator to reach all six floors, and wheelchair accessible facilities. West has a square footage of 62,270. For more general housing information, please visit the University Housing and Dining Services website .
82	East Entrance	West International Hall is home to many students who seek an international experience on campus. West International Hall offers suite style housing, with double-resident rooms sharing a private bathroom. West houses approximately 215 residents, and was renovated in 1998. West International Hall is home to many students who seek an international experience on campus. West houses students from around the country, as well as students who plan to study abroad, or participate in English Language Institute and International Programs . West has accessible entrances located on the west and east facing entrances. West has an elevator to reach all six floors, and wheelchair accessible facilities. West has a square

		footage of 62,270. For more general housing information, please visit the University Housing and Dining Services website .
83	Weatherford Hall	Weatherford Hall is the oldest residence hall west of the Mississippi still in use. It is home to the Austin Entrepreneurship Program which makes this an example of a living and learning environment. Across the street is one of OSU's five cultural centers, the Native American Longhouse. These centers serve as a resource for the entire campus to share and celebrate the diversity of our students.
84	Arch	Weatherford Residential College is home to the Austin Entrepreneurship Program , and 290 self starters interested in innovation, creativity and entrepreneurship. This striking historic building was built in 1928 as a men's dormitory, and later renovated in 2003 to accommodate the Austin Entrepreneurship Program. OSU's Austin Entrepreneurship Program brings students, professors and visiting business leaders together in a live-in setting designed to catalyze new business ventures started by students. Weatherford also houses Bing's Café , a service center, entrepreneurial library and two classrooms. Weatherford is co-ed by neighbor, with men's and women's bathrooms throughout the floors. Weatherford has accessible entrances located on the west and east north facing entrances on the first floor, and an accessible entrance located on the west south facing ground floor. Weatherford has an elevator to reach all six floors, and wheelchair accessible facilities. For more general housing information, please visit the University Housing and Dining Services website .
85	South Entrance	Wilson Hall houses approximately 350 students, and has a Science, Math and Engineering focus. Wilson Hall has an Engineering Resource Center, equipped with study tables, resource library and computers available 24 hours a day. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Wilson Hall has accessible entrances located at the south entrance, and the west entrance located next to McNary Dining Center. Wilson has an elevator to reach all six floors. Wilson has a square footage of 73,105. For more general housing information, please visit the University Housing and Dining Services website .
86	North Entrance	Wilson Hall houses approximately 350 students, and has a Science, Math and Engineering focus. Wilson Hall has an Engineering Resource Center, equipped with study tables, resource library and computers available 24 hours a day. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Wilson Hall has accessible entrances located at the south entrance, and the west entrance located next to McNary Dining Center. Wilson has an elevator to reach all six floors. Wilson has a square footage of 73,105. For more general housing information, please visit the University Housing and Dining Services website .
87	South Entrance	Marketplace West houses seven distinctive restaurant locations combining the cuisine of the world with traditional American favorites. Marketplace West accepts UHDS Dining Dollars , <a

		<p>href="http://mycard.oregonstate.edu/">OSU Card Cash , Visa and MasterCard, checks and cash. The cuisine of Marketplace West covers many global regions, designed in the style of an open air market. The seven restaurant locations offer fresh Latin, Pacific Rim fare, classic Oregon Natural Beef burgers and hand-dipped shakes, fresh salads and deli sandwiches, pizza, pasta, and coffee. For hours of operation, please visit the food @ OSU website , and for more general information, please visit the University Housing and Dining Services website . Restaurants: Calaballoo's Gourmet Burgers™ , Clubhouse Deli , EBGB's Every Bean's a Good Bean , Four Corners , Ring of Fire , Serrano Grill™ , Tomassito's Italian Cafe .</p>
88	West Entrance	<p>Marketplace West houses seven distinctive restaurant locations combining the cuisine of the world with traditional American favorites. Marketplace West accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard, checks and cash. The cuisine of Marketplace West covers many global regions, designed in the style of an open air market. The seven restaurant locations offer fresh Latin, Pacific Rim fare, classic Oregon Natural Beef burgers and hand-dipped shakes, fresh salads and deli sandwiches, pizza, pasta, and coffee. For hours of operation, please visit the food @ OSU website , and for more general information, please visit the University Housing and Dining Services website . Restaurants: Calaballoo's Gourmet Burgers™ , Clubhouse Deli , EBGB's (Every Bean's a Good Bean) , Four Corners , Ring of Fire , Serrano Grill™ , Tomassito's Italian Cafe .</p>
97	Arnold Service Center	<p>Service Centers are located in McNary Central, Arnold Center, Weatherford Hall, and Marketplace West dining centers. They provide administrative functions and basic services to residents in their respective areas or complexes. McNary Service Center serves the residents of McNary, Wilson and Callahan Halls West Service Center serves West, Sackett, Buxton, Cauthorn, Hawley and Poling Halls. Arnold Service Center serves</p>

		Bloss, Finley and Halsell Halls. Typical Service Center office hours are 8:00 am to 7:00 pm during the week, 9:00 a.m. to 7:00 p.m. on Saturday, and 12 noon to 7:00 pm on Sunday.
98	Front Desk	Bloss Hall is a residence hall located in the Arnold Complex, across the street from Reser Stadium. Bloss has a community service learning theme, and houses approximately 280 residents. Bloss Hall offers suite style housing, with two double-resident rooms sharing a private bath. The building has accessible entrances on both the north and south main entries of the building, and an elevator to reach all seven floors. Bloss has a square footage of 84,755. For more general housing information, please visit the University Housing and Dining Services website .
99	Front Desk	Buxton Hall was recently renovated in 2000, and is connected to Hawley Hall . There is a full time resident director serving Buxton and Hawley Halls, seven resident assistants, and one faculty in residence. Rooms are coed by neighbor with a men's and women's bathroom at the center of each wing. Buxton and Hawley halls serve as a residential community for students studying or interested in majors within the College of Health and Human Sciences (HHS) . First-year residents create a living environment related to majors of interest in the college such as Nutrition and Exercise Science, Public Health, Human Development and Family Sciences or Design and Human Environment. Buxton Hall has an accessible entrance located on the corner of Weatherford Place and Jefferson Street. Buxton also has wheelchair accessible facilities, and an elevator to reach all five floors. For more general housing information, please visit the University Housing and Dining Services website .
100	Front Desk	Callahan Hall houses approximately 350 residents. There is a full time resident director and twelve resident assistants. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Callahan Hall has accessible entrances located on the north and south main entrances of the building. Callahan has an elevator to reach all six floors. Callahan has a square footage of 72,698. For more general housing information, please visit the University Housing and Dining Services website .
101	Front Desk	Finley Hall houses approximately 350 residents on 6 floors. It also has an ROTC program focus on one wing. In collaboration with various academic and student services departments, the community strives to promote a concept of a balanced lifestyle. There is a resident director serving Finley Hall and at least one resident assistant (RA) on each floor. Finley Hall has accessible entrances located on the north and south main entrances of the building. Finley has an elevator to reach all seven floors. Finley has a square footage of 85,897. For more general housing information, please visit the University Housing and Dining Services website .
102	Front Desk	Built in 2003, Halsell Hall

		<p>alsell Hall houses approximately 200 upper-class residents. Halsell Hall is a continuously operating hall, open during breaks in the nine-month academic year. Halsell Hall offers suite rooms, with four single or two double bedrooms sharing a common area with kitchenette and one-and-a-half bathrooms. Halsell has accessible entrances on the east and west main entrances of the building. Halsell has an elevator to reach all four floors, and wheelchair accessible facilities. Halsell has a square footage of 77,188. For more general housing information, please visit the University Housing and Dining Services website .</p>
103	Front Desk	<p>Hawley Hall was recently renovated in 1999, and is connected to Buxton Hall . Rooms are coed by neighbor with a men's and women's bathroom on each floor. Buxton and Hawley halls serve as a residential community for students studying or interested in majors within the College of Health and Human Sciences (HHS) . First-year residents create a living environment related to majors of interest in the college such as Nutrition and Exercise Science, Public Health, Human Development and Family Sciences or Design and Human Environment. Hawley Hall has an accessible entrance located on the corner of Sackett Way and Jefferson Street. Hawley also has wheelchair accessible facilities, and an elevator to reach all five floors. For more general housing information, please visit the University Housing and Dining Services website .</p>
104	McNary Service Center	<p>Service Centers are located in McNary Central, Arnold Center, Weatherford Hall, and Marketplace West dining centers. They provide administrative functions and basic services to residents in their respective areas or complexes. McNary Service Center serves the residents of McNary, Wilson and Callahan Halls West Service Center serves West, Sackett, Buxton, Cauthorn, Hawley and Poling Halls. Arnold Service Center serves Bloss, Finley and Halsell Halls. Typical Service Center office hours are 8:00 am to 7:00 pm during the week, 9:00 a.m. to 7:00 p.m. on Saturday, and 12 noon to 7:00 pm on Sunday.</p>
106	Lobby	<p>McNary Hall houses approximately 300 residents on 5 floors, and is the University Honors College residence hall. There is a resident director serving McNary Hall, at least one resident assistant (RA) on each floor, and a faculty in residence. Resident assistants promote community building by actively engaging residents with social and academic opportunities. They also operate the hall front desk (pictured above) which is opened nightly for residents to check out recreational equipment and cleaning supplies. Each hall has a small kitchen on the first floor typically with an oven, microwave, and community refrigerator.</p>
107	Front Desk	<p>Poling Hall houses approximately 220 residents on 4 floors, and is part of the residence hall quad on the west side of campus. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Poling Hall has an accessible entrance located at the west entrance, off of Weatherford Place. Poling Hall has an elevator to reach all five floors, and wheelchair accessible facilities. Poling has a square footage of 57,685. For more general housing information, please visit the University Housing and Dining Services</p>

		website .
108	Lobby (E-Wing)	<p>Sackett Hall is one of OSU's oldest and most unique residence halls, housing approximately 300 residents. Sackett recently had upgrades done to improve the infrastructure (i.e. upgraded windows, new bathrooms, new electrical, etc.) Sackett Hall offers double rooms, single gender floors, and rooms with separate sleeping porch and walk-in closets. There is a resident director serving Sackett Hall and at least one resident assistant (RA) on each area of the hall. Sackett Hall has an accessible entrance on the north side of the building, located near the parking area. Sackett has wheelchair accessible facilities, but does not have an elevator. Sackett has a square footage of 161,487. For more general housing information, please visit the University Housing and Dining Services website .</p>
109	Front Desk	<p>West International Hall is home to many students who seek an international experience on campus. West International Hall offers suite style housing, with double-resident rooms sharing a private bathroom. West houses approximately 215 residents, and was renovated in 1998. West International Hall is home to many students who seek an international experience on campus. West houses students from around the country, as well as students who plan to study abroad, or participate in English Language Institute and International Programs . West has accessible entrances located on the west and east facing entrances. West has an elevator to reach all six floors, and wheelchair accessible facilities. West has a square footage of 62,270. For more general housing information, please visit the University Housing and Dining Services website .</p>
110	Lobby (B-Wing)	<p>Weatherford Residential College is home to the Austin Entrepreneurship Program , and 290 self starters interested in innovation, creativity and entrepreneurship. This striking historic building was built in 1928 as a men's dormitory, and later renovated in 2003 to accommodate the Austin Entrepreneurship Program. OSU's Austin Entrepreneurship Program brings students, professors and visiting business leaders together in a live-in setting designed to catalyze new business ventures started by students. Weatherford also houses Bing's Café , a service center, entrepreneurial library and two classrooms. Weatherford is co-ed by neighbor, with men's and women's bathrooms throughout the floors. Weatherford has accessible entrances located on the west and east north facing entrances on the first floor, and an accessible entrance located on the west south facing ground floor. Weatherford has an elevator to reach all six floors, and wheelchair accessible facilities. For more general housing information, please visit the University Housing and Dining Services website .</p>
111	Front Desk	<p>Wilson Hall houses approximately 350 students, and has a Science, Math and Engineering focus. Wilson Hall has an Engineering Resource Center, equipped with study</p>

		tables, resource library and computers available 24 hours a day. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Wilson Hall has accessible entrances located at the south entrance, and the west entrance located next to McNary Dining Center. Wilson has an elevator to reach all six floors. Wilson has a square footage of 73,105. For more general housing information, please visit the University Housing and Dining Services website/a> .
112	West Service Center	Service Centers are located in McNary Central, Arnold Center, Weatherford Hall, and Marketplace West dining centers. They provide administrative functions and basic services to residents in their respective areas or complexes. McNary Service Center serves the residents of McNary, Wilson and Callahan Halls West Service Center serves West, Sackett, Buxton, Cauthorn, Hawley and Poling Halls. Arnold Service Center serves Bloss, Finley and Halsell Halls. Typical Service Center office hours are 8:00 am to 7:00 pm during the week, 9:00 a.m. to 7:00 p.m. on Saturday, and 12 noon to 7:00 pm on Sunday.
113	Interior	Marketplace West houses seven distinctive restaurant locations combining the cuisine of the world with traditional American favorites. Marketplace West accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard, checks and cash. The cuisine of Marketplace West covers many global regions, designed in the style of an open air market. The seven restaurant locations offer fresh Latin, Pacific Rim fare, classic Oregon Natural Beef burgers and hand-dipped shakes, fresh salads and deli sandwiches, pizza, pasta, and coffee. For hours of operation, please visit the food @ OSU website , and for more general information, please visit the University Housing and Dining Services website . Restaurants: Calabaloo's Gourmet Burgers™ , Clubhouse Deli , EBGB's (Every Bean's a Good Bean) , Four Corners , Ring of Fire , Serrano Grill™ , Tomassito's Italian Cafe .
116	Arnold Bistro	Arnold Center is home to the Arnold Bistro and Cascadia Market . Arnold Center accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard, checks and cash. Located across the street from Gill Coliseum and Reser Stadium, Arnold Bistro offers a variety of traditional American fare, grilled burgers, fries and shakes, Mexican favorites, and an extensive salad bar. Cascadia Market at Arnold Center carries an extensive selection of food and sundries, including gluten free and organic choices for your convenience. For hours of operation, please visit the food @ OSU website . For more

		general information, please visit the University Housing and Dining Services website.
117	Cascadia Marketplace	Arnold Center is home to the Arnold Bistro and Cascadia Market. Arnold Center accepts UHDS Dining Dollars, OSU Card Cash, Visa and MasterCard, checks and cash. Located across the street from Gill Coliseum and Reser Stadium, Arnold Bistro offers a variety of traditional American fare, grilled burgers, fries and shakes, Mexican favorites, and an extensive salad bar. Cascadia Market at Arnold Center carries an extensive selection of food and sundries, including gluten free and organic choices for your convenience. For hours of operation, please visit the food @ OSU website. For more general information, please visit the University Housing and Dining Services website.
119	McNary Dining South	McNary Central Dining houses seven unique restaurant locations varying from a cooked to order stir fry bar to Starbucks coffee. McNary Central Dining accepts UHDS Dining Dollars, OSU Card Cash, Visa and MasterCard, checks and cash. McNary Central offers dining options ranging from fresh salads, soups and vegetarian entrees, to a cook to order stir-fry bar, Oregon Natural Beef burgers and hand-dipped shakes, to made to order Italian pasta and pizza specialties and fresh blended smoothies. For hours of operation, please visit the food @ OSU website. For more general information, please visit the University Housing and Dining Services website. Restaurants: Boardwalk Café, Calabaloo's Gourmet Burgers™, Casa Della Pasta, Casa Della Pizza, The Garden Deli, Main Squeeze Smoothies, RainTree Coffee Co.™
120	McNary Dining East	McNary Central Dining houses seven unique restaurant locations varying from a cooked to order stir fry bar to Starbucks coffee. McNary Central Dining accepts UHDS Dining Dollars, OSU Card Cash, Visa and MasterCard, checks and cash. McNary Central offers dining options ranging from fresh salads, soups and vegetarian entrees, to a cook to order stir-fry bar, Oregon Natural Beef burgers and hand-dipped shakes, to made to order Italian pasta and pizza specialties and fresh blended smoothies. For hours of operation, please visit the food @ OSU website. For more

		<p>general information, please visit the University Housing and Dining Services website . Restaurants: Boardwalk Café , Calabaloo's Gourmet Burgers™ , Casa Della Pasta , Casa Della Pizza , The Garden Deli , Main Squeeze Smoothies , RainTree Coffee Co.™</p>
123	EBGBs	<p>Marketplace West houses seven distinctive restaurant locations combining the cuisine of the world with traditional American favorites. Marketplace West accepts UHDS Dining Dollars , OSU Card Cash , Visa and MasterCard, checks and cash. The cuisine of Marketplace West covers many global regions, designed in the style of an open air market. The seven restaurant locations offer fresh Latin, Pacific Rim fare, classic Oregon Natural Beef burgers and hand-dipped shakes, fresh salads and deli sandwiches, pizza, pasta, and coffee. For hours of operation, please visit the food @ OSU website , and for more general information, please visit the University Housing and Dining Services website . Restaurants: Calabaloo's Gourmet Burgers™ , Clubhouse Deli , EBGB's (Every Bean's a Good Bean) , Four Corners , Ring of Fire , Serrano Grill™ , Tomassito's Italian Cafe .</p>
124	Bites Convenience Store	<p>The seven shops in the Memorial Union, located in the heart of the campus offer a variety of options to meet your needs. There are places that provide students with healthy, inexpensive food to go or sit down restaurants and coffee shops where you can relax and enjoy you meal. In the Memorial Union, your payment options include OSU Card Cash , Visa and MasterCard and cash. Your choices include Bites Convenience Store, Buenos Burritos , Carl's Jr. , Java Stop, Panda Express , Pangea Café , and TOGOs . For hours of operation, please visit the University Housing and Dining Services website .</p>

		http://oregonstate.edu/foodatosu/hours/ >food @ OSU website.
125	Buenos Burritos	The seven shops in the Memorial Union, located in the heart of the campus offer a variety of options to meet your needs. There are places that provide students with healthy, inexpensive food to go or sit down restaurants and coffee shops where you can relax and enjoy you meal. In the Memorial Union, your payment options include OSU Card Cash, Visa and MasterCard and cash. Your choices include Bites Convenience Store, Buenos Burritos, Carl's Jr., Java Stop, Panda Express, Pangea Café, and TOGOs. For hours of operation, please visit the food @ OSU website.
126	Rotunda	The Memorial Union was built through a totally student driven effort to memorialize students who fought in World War I. Completed in 1927, the building is the center of student life on campus. No classrooms are located in this building- just space to meet, socialize and relax.
128	Javastop	The seven shops in the Memorial Union, located in the heart of the campus offer a variety of options to meet your needs. There are places that provide students with healthy, inexpensive food to go or sit down restaurants and coffee shops where you can relax and enjoy you meal. In the Memorial Union, your payment options include OSU Card Cash, Visa and MasterCard and cash. Your choices include Bites Convenience Store, Buenos Burritos, Carl's Jr., Java Stop, Panda Express, Pangea Café, and TOGOs. For hours of operation, please visit the food @ OSU website.
129	Pangea Café	The seven shops in the Memorial Union, located in the heart of the campus offer a variety of options to meet your needs. There are places that provide students with healthy, inexpensive food to go or sit down restaurants and coffee shops where you can relax and enjoy you meal. In the Memorial Union, your payment options include OSU Card Cash, Visa and MasterCard and cash. Your choices include Bites Convenience Store, Buenos Burritos, Carl's Jr., Java Stop, Panda Express, Pangea Café, and TOGOs. For hours of operation, please visit the food @ OSU website.
130	Lobby	Dixon Recreation Center is a student fee funded program that supports the health and well being of OSU students. Free weights, resistance machines, cardio equipment, racquetball, swimming pool, basketball courts and an Indoor Climbing center are just a few of the amenities of Dixon.
131	Dixon Café	Refuel your body at Dixon Café with a wrap and smoothie. Delicious fruit smoothies you can customize to suit your taste buds. Getting up early? Dixon Café serves breakfast wraps and espresso. There's also Gatorade, protein bars, and fresh fruit to get you through your workout. For hours of operation, please visit the food @ OSU website and payment options include OSU Card Cash, Visa and MasterCard and cash.
132	Java Cart	Need something quick? Java Cart has Espresso, cold drinks, candy bars and pastries. For

		hours of operation, please visit the food @ OSU website and payment options include OSU Card Cash, Visa and MasterCard and cash.
133	Java II	Studying late or in the middle of a research paper at the library, then stop in at Java II. Java II has all sorts of espresso drinks to keep you going. Sandwiches, cold beverages, pastry and other snacks too. For hours of operation, please visit the food @ OSU website and payment options include OSU Card Cash, Visa and MasterCard and cash.
134	e.Café	e.Cafe in Kelley Engineering features made to order sandwiches, salads, daily soups, coffee, pastries, and all of your favorite espresso drinks. For hours of operation, please visit the food @ OSU website and payment options include OSU Card Cash, Visa and MasterCard and cash.
135	Double Study	Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Avery Lodge. Shared single-gender (male) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
136	Unoccupied Study	Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Avery Lodge. Shared single-gender (male) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
137	Entry	Avery Lodge is an all men's Cooperative house, housing approximately 55 men on the east side of campus. The cooperatives are democratically managed by their residents. House members contract with their individual house for a meal plan. All cooperatives have kitchens and hire a cook to prepare lunch and dinner each weekday. Weekend meals are assigned as a "house duty" to residents throughout the term. All members have kitchen privileges for preparing snacks and breakfast meals. Each house has a trained Cooperative Director, who lives in the house and helps advise the executive board.
138	Sleeping Porch	Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. In Avery Lodge, there are seven sleeping porches each containing eight beds. Shared single-gender (male) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
139	Double Study	Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Azalea House. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
140	Unoccupied Triple Study	Two to three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (Unlimited use for residents), and mail delivered to Azalea House. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
141	Entry	Azalea House is an all women's Cooperative house, housing approximately 55 women on the east side of campus. The cooperatives are democratically managed by their residents. House members contract with their individual house for a meal plan. All cooperatives have kitchens and hire a cook to prepare lunch and dinner each weekday. Weekend meals are assigned as a "house duty" to residents throughout the term. All members have kitchen privileges for preparing snacks and breakfast meals. Each house has a trained Cooperative Director, who lives in the house and helps advise the executive board.
142	Sleeping Porch	Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. In Azalea House, there is a single sleeping porch on the second floor with sixty beds. Shared single-gender (female) restroom facilities are located on each floor.
143	Triple Study	In Dixon Lodge study rooms, three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Dixon Lodge. Some combination study/sleep rooms are available in Dixon as well. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
144	Double Sleep/Study	In Dixon Lodge combination study/sleep rooms, two students are typically assigned to a room with a desk, bunk bed, closet and space for personal belongings. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds, laundry facilities (unlimited use for residents), and mail delivered to Dixon Lodge. Separated study and sleep rooms are available in Dixon as well. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
145	Unoccupied Triple Study	In Dixon Lodge study rooms, three students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Dixon Lodge. Some combination

		study/sleep rooms are available in Dixon as well. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
147	Entry	Di xon Lodge is an all women's Cooperative house, housing approximately 60 women on the east side of campus. The cooperatives are democratically managed by their residents. House members contract with their individual house for a meal plan. All cooperatives have kitchens and hire a cook to prepare lunch and dinner each weekday. Weekend meals are assigned as a "house duty" to residents throughout the term. All members have kitchen privileges for preparing snacks and breakfast meals. Each house has a trained Cooperative Director, who lives in the house and helps advise the executive board.
148	Triple Study	Two to five students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Oxford House. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
149	Unoccupied Double Study	Two to five students are typically assigned to a study room with a desk, closet and space for personal belongings. Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. Amenities and services include high-speed internet, extended basic cable TV, standard twin size beds in sleeping porches, laundry facilities (unlimited use for residents), and mail delivered to Oxford House. Shared single-gender (female) restroom facilities are located on each floor, and a unisex guest restroom is located on the 1st floor.
150	Sleeping Porch	Shared sleeping rooms (called sleeping porches) with bunk beds are separate from the study rooms. In Oxford House, there is a single sleeping porch on the second floor with 38 beds. Shared single-gender (female) restroom facilities are located on each floor.
151	Entry	Oxford House is an all women's Cooperative house, housing approximately 38 women on the east side of campus. The cooperatives are democratically managed by their residents. House members contract with their individual house for a meal plan. All cooperatives have kitchens and hire a cook to prepare lunch and dinner each weekday. Weekend meals are assigned as a "house duty" to residents throughout the term. All members have kitchen privileges for preparing snacks and breakfast meals. Each house has a trained Cooperative Director, who lives in the house and helps advise the executive board.
152	Double Room	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Bloss Hall features suite-style living in which two double-resident rooms share a private bath. A unisex restroom is also located on each floor. Amenities and services include high-speed internet, extended basic cable TV, Bloss

		furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, and mail delivered to Arnold Service Center.
153	Unoccupied Double	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Bloss Hall features suite-style living in which two double-resident rooms share a private bath. A unisex restroom is also located on each floor. Amenities and services include high-speed internet, extended basic cable TV, Bloss furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, and mail delivered to Arnold Service Center.
155	Double Room	One to three residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each wing. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center and Wheel-chair accessible facilities.
156	Unoccupied Double	One to three residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each wing. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center and Wheel-chair accessible facilities.
158	Double Room	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, Callahan furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to McNary Service Center, a female only wing, and substance free wings.
159	Unoccupied Double	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, <a

		<p>http://oregonstate.edu/uhsd/halls_coops/overview/furniture/wilson_callahan.php>Callahan furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to McNary Service Center, a female only wing, and substance free wings.</p>
160	Front Desk	<p>Callahan Hall houses approximately 350 residents on 5 floors. There is a full time resident director and ten resident assistants. Resident assistants promote community building by actively engaging residents with social and academic opportunities. They also operate the hall front desk (pictured above) which is opened nightly for residents to check out recreational equipment and cleaning supplies. Each hall has a small kitchen on the first floor typically with an oven, microwave, and community refrigerator.</p>
161	Wireless Writing Lab	<p>Located on the ground floor of Callahan Hall, this wireless classroom used by the Department of English for technical writing classes seats 30 students in collaborative clusters. Classroom access is from the driveway on the North West corner by the bike racks.</p>
162	Double Room	<p>Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, Finley furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to Arnold Service Center, a female only wing, a male only wing, substance free wings, and ROTC wings.</p>
163	Unoccupied Double	<p>Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, Finley furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to Arnold Service Center, a female only wing, a male only wing, substance free wings, and ROTC wings.</p>
164	Front Desk	<p>Finley Hall houses approximately 350 residents on 6 floors. There is a resident director serving Finley Hall and at least one resident assistant (RA) on each floor.</p>

		Resident assistants promote community building by actively engaging residents with social and academic opportunities. They also operate the hall front desk (pictured above) which is opened nightly for residents to check out recreational equipment and cleaning supplies. Each hall has a small kitchen on the first floor typically with an oven, microwave, and community refrigerator.
165	Single Lounge	One to two residents are assigned to a room typically with a personal desk, wardrobe and space for belongings. Students living in Halsell must be at least 20 years old OR a transfer student OR a returning student, and features gender-inclusive housing in which requests can be made for students to choose to live together regardless of gender. Halsell Hall features apartment type suite rooms, with four single or two double bedrooms sharing a common area with a kitchenette and one-and-a-half bathrooms. Amenities and services include high-speed internet , extended basic cable TV , modular furniture , and extra-long twin size beds (36"x80"). The hall features laundry facilities located on the 2nd and 4th floor (unlimited use for residents), an elevator, mail delivered to Arnold Service Center, wheel-chair accessible facilities, and is open over vacation breaks.
166	Single Room	One to two residents are assigned to a room typically with a personal desk, wardrobe and space for belongings. Students living in Halsell must be at least 20 years old OR a transfer student OR a returning student, and features gender-inclusive housing in which requests can be made for students to choose to live together regardless of gender. Halsell Hall features apartment type suite rooms, with four single or two double bedrooms sharing a common area with a kitchenette and one-and-a-half bathrooms. Amenities and services include high-speed internet , extended basic cable TV , modular furniture , and extra-long twin size beds (36"x80"). The hall features laundry facilities located on the 2nd and 4th floor (unlimited use for residents), an elevator, mail delivered to Arnold Service Center, wheel-chair accessible facilities, and is open over vacation breaks.
167	Unoccupied Single	One to two residents are assigned to a room typically with a personal desk, wardrobe and space for belongings. Students living in Halsell must be at least 20 years old OR a transfer student OR a returning student, and features gender-inclusive housing in which requests can be made for students to choose to live together regardless of gender. Halsell Hall features apartment type suite rooms, with four single or two double bedrooms sharing a common area with a kitchenette and one-and-a-half bathrooms. Amenities and services include high-speed internet , extended basic cable TV , modular furniture , and extra-long twin size beds (36"x80"). The hall features laundry facilities located on the 2nd and 4th floor (unlimited use for residents), an elevator, mail delivered to Arnold Service Center, wheel-chair accessible facilities, and is open over

		vacation breaks.
168	Unoccupied Double	One to two residents are assigned to a room typically with a personal desk, wardrobe and space for belongings. Students living in Halsell must be at least 20 years old OR a transfer student OR a returning student, and features gender-inclusive housing in which requests can be made for students to choose to live together regardless of gender. Halsell Hall features apartment type suite rooms, with four single or two double bedrooms sharing a common area with a kitchenette and one-and-a-half bathrooms. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The Hall features laundry facilities located on the 2nd and 4th floor (unlimited use for residents), an elevator, mail delivered to Arnold Service Center, wheel-chair accessible facilities, and is open over vacation breaks.
170	Double Room	One to three residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center and wheel-chair accessible facilities.
171	Unoccupied Double	One to three residents of the same gender are assigned to a room typically with a desk, wardrobe and space for personal belongings. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, extra-long twin size beds (36"x80"), laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center and wheel-chair accessible facilities.
173	Double Room	Two residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, a quiet wing, a female only wing, study lounges on each wing, mail delivered to McNary Service Center, wheel-chair accessible facilities, and a Honors College focus.
174	Unoccupied	Two residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. Rooms are coed by neighbor with a men's and

	Double	women's bathroom on each floor. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, a quiet wing, a female only wing, study lounges on each wing, mail delivered to McNary Service Center, wheel-chair accessible facilities, and a Honors College focus.
176	Honors College Advising Offices	On the first floor of McNary Hall the University Honors College nurtures academic growth through an Advising office and Classroom. The McNary advising office provides limited hours for academic assistance and advising (MCDN 118). The McNary classroom (MCDN 125) offers University Honors College classes during the day and converts to a computer lab at night for studying. It has a capacity of 35, white boards, and mobile tables and chairs. Room reservations can be made through the University Honors College main office. Classroom access is available from the exterior of the building at a marked entrance near the bike racks on the Jefferson Street side.
177	Double Room	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Amenities and services include high-speed internet, extended basic cable TV, Poling furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center, and wheel-chair accessible facilities.
178	Unoccupied Double	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom on each floor. Amenities and services include high-speed internet, extended basic cable TV, Poling furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center, and wheel-chair accessible facilities.
180	Double Room (Type 3)	Sackett Hall offers double rooms, and rooms with separate sleeping porch and walk-in closets. Shown is a Type 3 (of 4) room, with a living space and a large walk-in closet. Floors typically have 16 residents of a single gender sharing a single gender restroom. Floors alternate between male and female. Amenities and services include high-speed internet, extended basic cable TV, Sackett furniture, and standard twin size beds. The hall features laundry facilities

		(unlimited use for residents), a quiet wing, single gender floors, mail delivered to West Service Center, wheel-chair accessible facilities, and the hall is designated substance free.
181	Unoccupied Type 1	Sackett Hall offers double rooms, and rooms with separate sleeping porch and walk-in closets. Shown is a Type 1 (of 4) room, with a living space, sleeping porch and individual walk-in closets. Floors typically have 16 residents of a single gender sharing a single gender restroom. Floors alternate between male and female. Amenities and services include high-speed internet , extended basic cable TV , Sackett furniture , and standard twin size beds. The hall features laundry facilities (unlimited use for residents), a quiet wing, single gender floors, mail delivered to West Service Center, wheel-chair accessible facilities, and the hall is designated substance free.
182	Unoccupied Type 2	Sackett Hall offers double rooms, and rooms with separate sleeping porch and walk-in closets. Shown is a Type 2 (of 4) room, with a living space, sleeping porch and a large walk-in closet. Floors typically have 16 residents of a single gender sharing a single gender restroom. Floors alternate between male and female. Amenities and services include high-speed internet , extended basic cable TV , Sackett furniture , and standard twin size beds. The hall features laundry facilities (unlimited use for residents), a quiet wing, single gender floors, mail delivered to West Service Center, wheel-chair accessible facilities, and the hall is designated substance free.
183	Unoccupied Type 3	Sackett Hall offers double rooms, and rooms with separate sleeping porch and walk-in closets. Shown is a Type 3 (of 4) room, with a living space and a large walk-in closet. Floors typically have 16 residents of a single gender sharing a single gender restroom. Floors alternate between male and female. Amenities and services include high-speed internet , extended basic cable TV , Sackett furniture , and standard twin size beds. The hall features laundry facilities (unlimited use for residents), a quiet wing, single gender floors, mail delivered to West Service Center, wheel-chair accessible facilities, and the hall is designated substance free.
184	Unoccupied Type 4	Sackett Hall offers double rooms, and rooms with separate sleeping porch and walk-in closets. Shown is a Type 4 (of 4) room, with a living space and a large walk-in closet. Floors typically have 16 residents of a single gender sharing a single gender restroom. Floors alternate between male and female. Amenities and services include high-speed internet , extended basic cable TV , Sackett furniture , and standard twin size beds. The hall features laundry facilities (unlimited use for residents), a quiet wing, single gender floors, mail delivered to West Service Center, wheel-chair accessible facilities, and the hall is designated substance free.
186	Double	One to three residents of the same gender are assigned to a room typically with a desk,

	Room	<p>closet and space for personal belongings. There are a large variety of room types available in Weatherford, with a small double shown here. Weatherford is co-ed by neighbor, with men's and women's bathrooms throughout the floors. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), area elevators, mail delivered to Weatherford Service Center (mailboxes located on ground floor), wheel-chair accessible facilities and an active presence by the Austin Entrepreneurship Program.</p>
187	Unoccupied Single	<p>One to three residents of the same gender are assigned to a room typically with a desk, closet and space for personal belongings. There are a large variety of room types available in Weatherford, with a standard single shown here. Weatherford is co-ed by neighbor, with men's and women's bathrooms throughout the floors. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), area elevators, mail delivered to Weatherford Service Center (mailboxes located on ground floor), wheel-chair accessible facilities and an active presence by the Austin Entrepreneurship Program.</p>
188	Unoccupied Double	<p>One to three residents of the same gender are assigned to a room typically with a desk, closet and space for personal belongings. There are a large variety of room types available in Weatherford, with a standard double shown here. Weatherford is co-ed by neighbor, with men's and women's bathrooms throughout the floors. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), area elevators, mail delivered to Weatherford Service Center (mailboxes located on ground floor), wheel-chair accessible facilities and an active presence by the Austin Entrepreneurship Program.</p>
189	Unoccupied Triple	<p>One to three residents of the same gender are assigned to a room typically with a desk, closet and space for personal belongings. There are a large variety of room types available in Weatherford, with a standard triple shown here. Weatherford is co-ed by neighbor, with men's and women's bathrooms throughout the floors. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), area elevators, mail delivered to Weatherford Service Center (mailboxes located on ground floor), wheel-chair accessible facilities and</p>

		an active presence by the Austin Entrepreneurship Program.
191	Bing's Café	Opened in late 2004, Bing's Café is a central campus coffee shop within a few minutes of most campus buildings and located within the iconic Weatherford Hall. Bing's Café accepts UHDS Dining Dollars, OSU Card Cash, Visa and MasterCard, checks and cash. Bing's features Starbucks coffee, gelato (Italian Ice Cream), soups, sandwiches, and calzini (a customizable specialty similar to a calzone and panini). For hours of operation, please visit the food @ OSU website. For more general information, please visit the University Housing and Dining Services website.
192	Caseroom	Located within Weatherford Hall, the Marta & Ken Thrasher Caseroom and the Duane McDougall Caseroom are designed for small class interaction. Home to entrepreneurship classes, new business pitch sessions, club meetings and more, caserooms are a hub for idea exchange. The rooms are equipped with the latest technology for students and instructors encouraging interactive participation, lively discussions and enhanced shared learning experiences. Ken Thrasher, '71, is a member of the College of Business Hall of Fame. Duane McDougall, '74, is a College of Business alumnus and an OSU Alumni Fellow.
193	Double Room	Two residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. West Hall features suite-style living in which two double-resident rooms share a private bath. A unisex restroom is also located the first floor. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center, wheel-chair accessible facilities, features the International Experience and is open over vacation breaks.
194	Unoccupied Double	Two residents of the same gender are assigned to a room typically with a personal desk, wardrobe and space for belongings. West Hall features suite-style living in which two double-resident rooms share a private bath. A unisex restroom is also located the first floor. Amenities and services include high-speed internet, extended basic cable TV, modular furniture, and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to West Service Center, wheel-chair accessible facilities, features the International Experience and is open over vacation breaks.

196	Double Room	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, Wilson furniture (4th floor features modular), and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to McNary Service Center, a female only wing, a quiet wing, and a Science, Math and Engineering Emphasis.
197	Remodel ed Room	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, Wilson furniture (4th floor features modular), and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to McNary Service Center, a female only wing, a quiet wing, and a Science, Math and Engineering Emphasis.
198	Unoccup ied Double	Two residents of the same gender are assigned to a room typically with a personal desk, closet and space for belongings. Rooms are coed by neighbor with a men's and women's bathroom at the center of each floor. Amenities and services include high-speed internet, extended basic cable TV, Wilson furniture (4th floor features modular), and extra-long twin size beds (36"x80"). The hall features laundry facilities (unlimited use for residents), an elevator, mail delivered to McNary Service Center, a female only wing, a quiet wing, and a Science, Math and Engineering Emphasis.

Appendix A: Table 1.1b, Location Coordinates, Filenames, and Initial Views

The table on the following page presents the data used in defining a location's spatial coordinates, file name, and initial viewing association for use in the MySQL database. Further information is located on *Table 1.1a*.

Key to Data Fields

- 'id'**- numerical designation for a location; used for MySQL associations as declared in *Table 1.1a*.
- 'lat'**- latitude of the location; used for Campus Map inset.
- 'long'**- longitude of the location; used for Campus Map inset.
- 'filename'**- file name for the JPEG panoramic image to be displayed for the location.
- 'x'**- Initial view that a user starts looking at in the Flash VR viewer, as 'x' pixels from the left of the JPEG file.
- 'y'**- Initial view that a user starts looking at in the Flash VR viewer, as 'y' pixels from the top of the JPEG file.
- 'web title'**- Web address for the corresponding location (i.e., <http://oregonstate.edu/campusmap/virtualtour/locations/<web title>>)

id	lat	long	filename	x	y	web title
3	44.56168	-123.274	adam001.jpg	500	0	adams_hall_parking_services
4	44.56085	-123.277	arnd001.jpg	500	0	arnold_dining_center_east_entrance
5	44.56519	-123.269	avlg001.jpg	500	0	avery_lodge_north_entrance
6	44.56489	-123.269	avlg002.jpg	500	0	cooperative_house_quad
7	44.56534	-123.27	azhs001.jpg	800	0	azalea_house_north_entrance
8	44.56569	-123.276	bell001.jpg	500	0	bell_tower
9	44.56598	-123.274	bent001.jpg	550	0	benton_hall_south_entrance
10	44.56034	-123.277	blss002.jpg	500	0	bloss_hall_north_entrance
11	44.56448	-123.281	buxt001.jpg	500	0	buxton_hall_east_entrance
12	44.56451	-123.282	buxt002.jpg	500	0	housing_and_dining_central_office
13	44.56408	-123.282	buxt003.jpg	500	0	residential_quad
14	44.56419	-123.273	cal001.jpg	500	0	callahan_hall_north_entrance
15	44.56388	-123.273	cal002.jpg	500	0	callahan_hall_south_entrance
16	44.56176	-123.276	casc001.jpg	500	0	cascades_hall_public_safety_printing_and_mailing
17	44.56379	-123.283	cau001.jpg	400	0	cauthorn_hall_west_entrance
18	44.56052	-123.279	cech001.jpg	500	0	centro_cultural_cesar_chavez
19	44.55993	-123.279	chac001.jpg	500	0	ch2m_hill_alumni_center
20	44.56324	-123.278	cole001.jpg	500	0	goss_stadium
21	44.56492	-123.27	dxlg001.jpg	300	0	dixon_lodge_west_entrance
22	44.56318	-123.279	dxrc001.jpg	400	0	dixon_rec_center_west_entrance
23	44.56202	-123.279	dxrc002.jpg	100	0	parking_garage
24	44.5654	-123.274	educ001.jpg	500	0	trysting_tree
25	44.56508	-123.28	fair001.jpg	1250	0	fairbanks_hall_east_entrance
26	44.56127	-123.278	finl001.jpg	500	0	finley_hall_north_entrance
27	44.56099	-123.278	finl002.jpg	500	0	finley_hall_south_entrance
28	44.56127	-123.281	gill001.jpg	500	0	gill_colliseum
29	44.56127	-123.276	hal001.jpg	500	0	halsell_hall_north_entrance
30	44.561	-123.277	hal002.jpg	500	0	halsell_hall_south_entrance
31	44.5645	-123.283	haw001.jpg	500	0	hawley_hall_west_entrance
33	44.56331	-123.278	intdxrc005.jpg	500	0	dixon_indoor_climbing_center
35	44.56396	-123.275	intkad001.jpg	500	0	registrar_payroll_finance_tours
37	44.55905	-123.279	intlsc001.jpg	500	0	lasells_stewart_center_giustina_gallery
38	44.56641	-123.275	intmcc001.jpg	500	0	milne_computing_center_main_computer_lab
39	44.5664	-123.279	intmlm001.jpg	500	0	milam_auditorium_mlm_026
40	44.56496	-123.279	intmu001.jpg	500	0	memorial_union_lounge
41	44.56497	-123.278	intmu002.jpg	500	0	osu_bookstore_inside
42	44.56505	-123.28	intmu003.jpg	0	0	memorial_union_commons

id	lat	long	filename	x	y	web title
43	44.56436	-123.277	intsnel001.jpg	500	0	snell_student_leadership_and_involvement
44	44.56523	-123.276	intvlib001.jpg	1250	0	valley_library_entrance
45	44.5653	-123.276	intvlib002.jpg	500	0	valley_library_2nd_floor_rotunda
46	44.56449	-123.274	kad001.jpg	500	0	kerr_administration_welcome_sign
47	44.56367	-123.274	kad002.jpg	1250	0	kerr_administration_south_entrance
48	44.56677	-123.279	kec001.jpg	500	0	kelly_engineering_center_south_entrance
49	44.5665	-123.277	kidd001.jpg	500	0	gilkey_hall_and_kidder_hall
50	44.55926	-123.279	lsc001.jpg	500	0	lasells_stewart_center_entrance
51	44.56618	-123.276	mcc001.jpg	300	0	milne_computing_center_southwest_corner
52	44.56414	-123.273	mcdn001.jpg	500	0	mcnary_central_dining_west_entrance
53	44.56407	-123.272	mcdn002.jpg	600	0	mcnary_central_dining_east_entrance
54	44.56453	-123.272	mcny001.jpg	500	0	mcnary_hall_north_entrance
55	44.56573	-123.271	mcny002.jpg	500	0	lower_campus
56	44.56623	-123.279	mlm001.jpg	1250	0	milam_hall_south_side
57	44.56622	-123.28	mlm002.jpg	500	0	milam_auditorium_entrance
58	44.56516	-123.279	mu001.jpg	500	0	memorial_union_front_steps
59	44.56523	-123.278	mu002.jpg	500	0	memorial_union_brick_courtyard
60	44.56461	-123.278	mu003.jpg	300	0	osu_bookstore_south_entrance
61	44.56574	-123.279	mu004.jpg	500	0	mu_quad
62	44.56199	-123.278	navy001.jpg	500	0	navy_rotc_center
63	44.56432	-123.269	oxhs001.jpg	500	0	oxford_house_south_entrance
64	44.56384	-123.281	pol001.jpg	500	0	poling_hall_east_entrance
65	44.56357	-123.282	pol002.jpg	500	0	poling_office
66	44.56086	-123.275	prid001.jpg	500	0	pride_center
67	44.56041	-123.28	resr001.jpg	550	0	reser_stadium_parker_plaza
68	44.55956	-123.281	resr002.jpg	500	0	reser_stadium_field
69	44.56489	-123.284	sack001.jpg	500	0	sackett_hall_south_side
70	44.56417	-123.277	snel001.jpg	500	0	waldo_brick_courtyard
71	44.56036	-123.274	ssc001.jpg	500	0	student_sustainability_center
72	44.56568	-123.277	stag001.jpg	1250	0	strand_agriculture_building
73	44.56622	-123.278	stag002.jpg	500	0	people_s_park
74	44.56554	-123.276	vlib001.jpg	1250	0	valley_library_quad
75	44.56526	-123.275	vlib002.jpg	900	0	valley_library_east_side_pharmacy_building
76	44.56479	-123.275	vlib003.jpg	500	0	dibble_dell_and_gladys_valley_gymnastic_center
77	44.56467	-123.276	vlib004.jpg	600	0	valley_library_fountain
78	44.56464	-123.277	vlib005.jpg	500	0	corner_of_waldo_and_jefferson
79	44.56513	-123.277	vlib006.jpg	500	0	valley_library_statue_of_martin_kukucin

id	lat	long	filename	x	y	web title
80	44.56578	-123.28	wb001.jpg	550	0	women_s_building_east_entrance
81	44.5637	-123.284	west001.jpg	500	0	west_international_hall_west_entrance
82	44.56377	-123.284	west002.jpg	1100	0	west_international_hall_east_entrance
83	44.56448	-123.28	wfd001.jpg	525	0	weatherford_hall
84	44.564	-123.281	wfd002.jpg	500	0	weatherford_hall_arch
85	44.56367	-123.273	wil001.jpg	600	0	wilson_hall_south_entrance
86	44.56389	-123.272	wil002.jpg	550	0	wilson_hall_north_entrance
87	44.56382	-123.283	wsdn001.jpg	500	0	marketplace_west_south_entrance
88	44.56397	-123.284	wsdn002.jpg	500	0	marketplace_west_west_entrance
97	44.56077	-123.277	intarnd001.jpg	500	0	arnold_service_center
98	44.5602	-123.277	intblss001.jpg	500	0	bloss_hall_front_desk
99	44.56426	-123.282	intbuxt001.jpg	500	0	buxton_hall_front_desk
100	44.56408	-123.273	intcal001.jpg	500	0	callahan_hall_front_desk
101	44.56116	-123.278	intfinl001.jpg	500	0	finley_hall_front_desk
102	44.56119	-123.277	inthal001.jpg	500	0	halsell_hall_front_desk
103	44.56432	-123.283	inthaw001.jpg	500	0	hawley_hall_front_desk
104	44.56413	-123.272	intmcdn001.jpg	500	0	mcnary_service_center
106	44.56442	-123.272	intmcny001.jpg	500	0	mcnary_hall_lobby
107	44.56375	-123.282	intpol001.jpg	500	0	poling_hall_front_desk
108	44.56508	-123.283	intsack001.jpg	500	0	sackett_hall_lobby_e_wing
109	44.56367	-123.284	intwest001.jpg	500	0	west_international_hall_front_desk
110	44.56402	-123.28	intwfd001.jpg	500	0	weatherford_hall_lobby_b_wing
111	44.56375	-123.272	intwil001.jpg	500	0	wilson_hall_front_desk
112	44.56389	-123.283	intwsdn001.jpg	500	0	west_service_center
113	44.56398	-123.284	intwsdn002.jpg	500	0	marketplace_west_interior
116	44.56077	-123.278	intarnd002.jpg	0	0	arnold_bistro
117	44.56063	-123.278	intarnd003.jpg	0	0	cascadia_marketplace
119	44.56408	-123.272	intmcdn002.jpg	0	0	mcnary_dining_south
120	44.56408	-123.272	intmcdn003.jpg	0	0	mcnary_dining_east
123	44.56393	-123.284	intwsdn003.jpg	0	0	ebgbs
124	44.56495	-123.279	intmu004.jpg	0	0	bites_convenience_store
125	44.56495	-123.279	intmu005.jpg	0	0	buenos_burritos
126	44.56495	-123.279	intmu001.jpg	0	0	memorial_union_rotunda
128	44.56495	-123.279	intmu006.jpg	0	0	javastop

id	lat	long	filename	x	y	web title
129	44.56495	-123.279	intmu007.jpg	0	0	pangea_caf
130	44.56314	-123.279	intdxrc001.jpg	0	0	dixon_rec_entrance
131	44.56314	-123.279	intdxrc006.jpg	0	0	dixon_caf
132	44.56709	-123.274	intowen001.jpg	0	0	owen_java_cart
133	44.56506	-123.276	intvlib004.jpg	0	0	java_ii
134	44.5672	-123.279	intkec002.jpg	0	0	e_caf
135	44.56509	-123.269	intavlg003.jpg	0	0	avery_lodge_double_study
136	44.56509	-123.269	intavlg004.jpg	0	0	avery_lodge_unoccupied_study
137	44.56509	-123.269	intavlg001.jpg	0	0	avery_lodge_entry
138	44.56509	-123.269	intavlg002.jpg	0	0	avery_lodge_sleeping_porch
139	44.56512	-123.27	intazhs003.jpg	0	0	azalea_house_double_study
140	44.56512	-123.27	intazhs004.jpg	0	0	azalea_house_unoccupied_triple_study
141	44.56512	-123.27	intazhs001.jpg	0	0	azalea_house_entry
142	44.56512	-123.27	intazhs002.jpg	0	0	azalea_house_sleeping_porch
143	44.56483	-123.27	intdxlg003.jpg	0	0	dixon_lodge_triple_study
144	44.56483	-123.27	intdxlg004.jpg	0	0	dixon_lodge_double_sleep_study
145	44.56483	-123.27	intdxlg005.jpg	0	0	dixon_lodge_unoccupied_triple_study
147	44.56483	-123.27	intdxlg001.jpg	0	0	dixon_lodge_entry
148	44.56454	-123.269	intoxhs003.jpg	0	0	oxford_house_triple_study
149	44.56454	-123.269	intoxhs004.jpg	0	0	oxford_house_unoccupied_double_study
150	44.56454	-123.269	intoxhs002.jpg	0	0	oxford_house_sleeping_porch
151	44.56454	-123.269	intoxhs001.jpg	0	0	oxford_house_entry
152	44.56015	-123.278	intblss002.jpg	0	0	bloss_hall_double_room
153	44.56015	-123.278	intblss003.jpg	0	0	bloss_hall_unoccupied_double
155	44.56426	-123.282	intbuxt002.jpg	0	0	buxton_hall_double_room
156	44.56426	-123.282	intbuxt003.jpg	0	0	buxton_hall_unoccupied_double
158	44.56406	-123.273	intcal002.jpg	0	0	callahan_hall_double_room
159	44.56406	-123.273	intcal003.jpg	0	0	callahan_hall_unoccupied_double
160	44.56406	-123.273	intcal001.jpg	0	0	callahan_hall_front_desk
161	44.56406	-123.273	intcal004.jpg	0	0	callahan_hall_wireless_writing_lab
162	44.56111	-123.278	intfinl002.jpg	0	0	finley_hall_double_room
163	44.56111	-123.278	intfinl003.jpg	0	0	finley_hall_unoccupied_double
164	44.56111	-123.278	intfinl001.jpg	0	0	finley_hall_front_desk
165	44.56112	-123.277	inthal003.jpg	0	0	halsell_hall_single_lounge
166	44.56112	-123.277	inthal002.jpg	0	0	halsell_hall_single_room
167	44.56112	-123.277	inthal004.jpg	0	0	halsell_hall_unoccupied_single
168	44.56112	-123.277	inthal005.jpg	0	0	halsell_hall_unoccupied_double

id	lat	long	filename	x	y	web title
170	44.56426	-123.283	inthaw002.jpg	0	0	hawley_hall_double_room
171	44.56426	-123.283	inthaw003.jpg	0	0	hawley_hall_unoccupied_double
173	44.56439	0	intmcny002.jpg	0	0	mcnary_hall_double_room
174	44.56439	-123.272	intmcny003.jpg	0	0	mcnary_hall_unoccupied_double
176	44.56439	-123.272	intmcny004.jpg	0	0	mcnary_hall_honors_college_advising_offices
177	44.56384	-123.282	intpol002.jpg	0	0	poling_hall_double_room
178	44.56384	-123.282	intpol003.jpg	0	0	poling_hall_unoccupied_double
180	44.56524	-123.284	intsack002.jpg	0	0	sackett_hall_double_room_type_3
181	44.56524	-123.284	intsack003.jpg	0	0	sackett_hall_unoccupied_type_1
182	44.56524	-123.284	intsack004.jpg	0	0	sackett_hall_unoccupied_type_2
183	44.56524	-123.284	intsack005.jpg	0	0	sackett_hall_unoccupied_type_3
184	44.56524	-123.284	intsack006.jpg	0	0	sackett_hall_unoccupied_type_4
186	44.56404	-123.281	intwfd002.jpg	0	0	weatherford_hall_double_room
187	44.56404	-123.281	intwfd003.jpg	0	0	weatherford_hall_unoccupied_single
188	44.56404	-123.281	intwfd004.jpg	0	0	weatherford_hall_unoccupied_double
189	44.56404	-123.281	intwfd005.jpg	0	0	weatherford_hall_unoccupied_triple
191	44.56404	-123.281	intwfd006.jpg	0	0	weatherford_hall_bing_s_caf
192	44.56404	-123.281	intwfd007.jpg	0	0	weatherford_hall_caseroom
193	44.56361	-123.284	intwest002.jpg	0	0	west_hall_double_room
194	44.56361	-123.284	intwest003.jpg	0	0	west_hall_unoccupied_double
196	44.56378	0	intwil002.jpg	0	0	wilson_hall_double_room
197	44.56378	-123.272	intwil003.jpg	0	0	wilson_hall_remodeled_room
198	44.56378	-123.272	intwil004.jpg	0	0	wilson_hall_unoccupied_double

Appendix A: Table 1.2, Hotspot Identification and Destination

The table on the following page presents the data used in defining hotlink locations and destinations in the MySQL database. Further information is located on *Table 1.1a*.

Key to Data Fields

‘id’- numerical designation for a hotlink; not to be confused with a location ‘id’.

‘source’- location this hotlink is visible on as a clickable hyperlink; value is the location ID from associations declared in *Table 1.1a*.

‘destination’- the location this hotlink hyperlinks to; value is the location ID from associations declared in *Table 1.1a*.

‘relation’- Either ‘connected’ or ‘not connected’; All values in this set are active and are thus ‘connected’.

‘offset x’- Horizontal pixel location for the upper left start of the hotlink, as a distance (in pixels) from the left edge of the panoramic image.

‘offset y’- Vertical pixel location for the upper left start of the hotlink, as a distance (in pixels) from the top of the panoramic image.

‘width’- Width of the hotlink shape (in pixels); All hotlinks are currently set to a width of 188 pixels.

‘height’- Height of the hotlink shape (in pixels); All hotlinks are currently set to a height of 188 pixels.

‘color’- Alpha color code for the hotlink color; All hotlinks are currently set to ‘20’ (orange).

id	source	destination	relation	offset x	offset y	width	height	Color
1	3	16	connected	1231	331	188	188	20
2	3	66	connected	579	331	188	188	20
3	3	47	connected	2051	331	188	188	20
4	4	27	connected	1224	331	188	188	20
5	4	30	connected	2009	331	188	188	20
6	4	10	connected	717	331	188	188	20
7	5	7	connected	1463	331	188	188	20
8	5	63	connected	457	331	188	188	20
9	7	5	connected	834	331	188	188	20
10	7	21	connected	1733	331	188	188	20
11	7	55	connected	1987	331	188	188	20
12	8	75	connected	1300	331	188	188	20
13	8	74	connected	1803	331	188	188	20
14	8	51	connected	351	331	188	188	20
15	9	51	connected	528	331	188	188	20
16	9	55	connected	1406	331	188	188	20
17	9	24	connected	2006	331	188	188	20
18	10	4	connected	58	331	188	188	20
19	10	18	connected	1620	331	188	188	20
20	11	64	connected	778	331	188	188	20
21	11	12	connected	1458	331	188	188	20
22	11	83	connected	388	331	188	188	20
23	12	11	connected	315	331	188	188	20
24	12	31	connected	1377	331	188	188	20
25	13	84	connected	444	331	188	188	20
26	13	65	connected	975	331	188	188	20
27	13	17	connected	1530	331	188	188	20
28	16	3	connected	924	331	188	188	20
29	16	29	connected	2090	331	188	188	20
30	16	62	connected	192	331	188	188	20
31	17	87	connected	1734	331	188	188	20
32	17	65	connected	1150	331	188	188	20
33	17	13	connected	224	331	188	188	20
34	17	31	connected	2160	331	188	188	20
35	18	67	connected	238	331	188	188	20
36	18	19	connected	1776	331	188	188	20
37	18	10	connected	1382	331	188	188	20
38	19	18	connected	448	331	188	188	20
39	19	67	connected	90	331	188	188	20
40	19	50	connected	1490	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
41	21	63	connected	1260	331	188	188	20
42	21	54	connected	1587	331	188	188	20
43	21	7	connected	345	331	188	188	20
44	22	23	connected	1343	331	188	188	20
46	22	64	connected	2048	331	188	188	20
47	22	83	connected	130	331	188	188	20
48	23	22	connected	1508	331	188	188	20
49	23	28	connected	779	331	188	188	20
50	23	62	connected	84	331	188	188	20
51	24	9	connected	1012	252	188	188	20
52	24	55	connected	1634	331	188	188	20
53	24	46	connected	2048	331	188	188	20
54	25	80	connected	309	331	188	188	20
55	25	61	connected	561	331	188	188	20
56	25	58	connected	813	331	188	188	20
57	25	42	connected	1125	331	188	188	20
58	25	83	connected	1517	331	188	188	20
59	26	29	connected	336	331	188	188	20
60	26	4	connected	592	331	188	188	20
61	26	62	connected	1950	331	188	188	20
62	27	4	connected	1274	331	188	188	20
63	4	26	connected	1596	331	188	188	20
64	28	67	connected	475	331	188	188	20
65	28	23	connected	1483	331	188	188	20
66	29	16	connected	2097	331	188	188	20
67	29	26	connected	1603	331	188	188	20
68	29	66	connected	507	331	188	188	20
69	30	4	connected	49	331	188	188	20
70	31	12	connected	622	331	188	188	20
71	31	69	connected	75	331	188	188	20
72	31	17	connected	1288	331	188	188	20
73	32	22	connected	142	421	188	188	20
74	32	33	connected	804	331	188	188	20
75	33	20	connected	1063	331	188	188	20
77	40	126	connected	1868	331	188	188	20
78	40	58	connected	2065	331	188	188	20
79	40	124	connected	101	331	188	188	20
80	41	59	connected	454	331	188	188	20
81	41	60	connected	1525	331	188	188	20
82	41	124	connected	2086	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
83	42	83	connected	1759	331	188	188	20
84	42	25	connected	119	331	188	188	20
85	42	126	connected	511	331	188	188	20
86	44	133	connected	150	331	188	188	20
87	44	74	connected	2072	331	188	188	20
88	44	45	connected	412	331	188	188	20
89	45	44	connected	2029	331	188	188	20
90	45	75	connected	991	331	188	188	20
91	48	57	connected	480	331	188	188	20
92	48	73	connected	1486	331	188	188	20
93	48	134	connected	999	331	188	188	20
94	49	73	connected	646	331	188	188	20
95	49	51	connected	1792	331	188	188	20
96	49	74	connected	2108	331	188	188	20
97	50	19	connected	120	331	188	188	20
98	50	37	connected	939	331	188	188	20
99	51	38	connected	734	331	188	188	20
100	51	9	connected	992	331	188	188	20
101	51	8	connected	1272	331	188	188	20
102	51	74	connected	1550	331	188	188	20
103	51	49	connected	2034	331	188	188	20
104	55	54	connected	458	331	188	188	20
105	55	24	connected	850	331	188	188	20
106	55	9	connected	1122	331	188	188	20
107	55	7	connected	2052	331	188	188	20
108	56	57	connected	387	331	188	188	20
109	56	61	connected	2059	331	188	188	20
110	56	39	connected	770	331	188	188	20
111	56	73	connected	1555	331	188	188	20
112	57	48	connected	834	331	188	188	20
113	57	39	connected	1104	331	188	188	20
114	57	56	connected	1374	331	188	188	20
115	57	61	connected	1648	331	188	188	20
116	57	80	connected	2116	331	188	188	20
117	58	59	connected	339	331	188	188	20
118	58	40	connected	970	331	188	188	20
119	58	25	connected	1581	331	188	188	20
120	58	61	connected	2080	331	188	188	20
121	59	79	connected	168	331	188	188	20
122	59	60	connected	427	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
123	59	41	connected	686	331	188	188	20
124	59	58	connected	1012	331	188	188	20
125	59	61	connected	1272	331	188	188	20
126	59	72	connected	1600	331	188	188	20
127	60	83	connected	448	331	188	188	20
128	60	41	connected	703	331	188	188	20
129	60	59	connected	1074	331	188	188	20
130	60	78	connected	1618	331	188	188	20
131	61	73	connected	132	331	188	188	20
132	61	72	connected	386	331	188	188	20
133	61	59	connected	641	331	188	188	20
134	61	58	connected	986	331	188	188	20
135	61	25	connected	1321	331	188	188	20
136	61	80	connected	1576	331	188	188	20
137	61	57	connected	1831	331	188	188	20
138	61	56	connected	2060	331	188	188	20
139	62	23	connected	280	331	188	188	20
140	62	16	connected	1390	331	188	188	20
141	62	26	connected	1828	331	188	188	20
142	63	21	connected	448	331	188	188	20
143	63	5	connected	1358	331	188	188	20
144	64	84	connected	1651	331	188	188	20
145	64	22	connected	2066	331	188	188	20
146	64	65	connected	339	331	188	188	20
147	64	11	connected	1299	331	188	188	20
148	65	17	connected	377	331	188	188	20
149	65	13	connected	973	331	188	188	20
150	65	64	connected	1557	331	188	188	20
151	66	29	connected	214	331	188	188	20
152	66	3	connected	1302	331	188	188	20
153	66	71	connected	1637	331	188	188	20
154	67	18	connected	158	331	188	188	20
155	67	19	connected	476	331	188	188	20
156	67	28	connected	2020	331	188	188	20
157	69	31	connected	1655	331	188	188	20
158	70	78	connected	714	331	188	188	20
159	70	43	connected	1060	331	188	188	20
160	70	20	connected	1853	331	188	188	20
161	71	66	connected	1793	331	188	188	20
162	72	59	connected	449	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
163	72	61	connected	1004	331	188	188	20
164	72	73	connected	1607	331	188	188	20
165	73	72	connected	404	331	188	188	20
166	73	61	connected	684	331	188	188	20
167	73	56	connected	962	331	188	188	20
168	73	49	connected	1928	331	188	188	20
169	74	49	connected	1799	331	188	188	20
170	74	79	connected	1417	331	188	188	20
171	74	44	connected	952	331	188	188	20
172	74	8	connected	369	331	188	188	20
173	74	51	connected	78	331	188	188	20
174	75	76	connected	38	331	188	188	20
175	75	45	connected	456	130	188	188	20
176	75	8	connected	938	331	188	188	20
177	76	77	connected	454	331	188	188	20
179	76	46	connected	2046	331	188	188	20
181	77	78	connected	486	331	188	188	20
182	77	76	connected	1587	331	188	188	20
184	78	70	connected	435	331	188	188	20
185	78	60	connected	982	331	188	188	20
186	78	79	connected	1507	331	188	188	20
187	78	77	connected	2037	331	188	188	20
188	79	49	connected	319	331	188	188	20
189	79	74	connected	587	331	188	188	20
190	79	78	connected	1571	331	188	188	20
191	79	59	connected	2041	331	188	188	20
192	80	25	connected	482	331	188	188	20
193	80	57	connected	1739	331	188	188	20
194	80	61	connected	2101	331	188	188	20
195	81	88	connected	474	331	188	188	20
198	82	87	connected	874	331	188	188	20
200	83	60	connected	88	331	188	188	20
201	83	22	connected	588	331	188	188	20
202	83	84	connected	1004	331	188	188	20
203	83	11	connected	1337	331	188	188	20
204	83	25	connected	1726	331	188	188	20
205	83	42	connected	1984	331	188	188	20
206	84	13	connected	1303	331	188	188	20
208	84	83	connected	2053	331	188	188	20
209	84	64	connected	1095	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
210	87	82	connected	788	331	188	188	20
211	87	17	connected	1883	331	188	188	20
212	88	81	connected	1475	331	188	188	20
213	88	69	connected	492	331	188	188	20
214	69	88	connected	266	331	188	188	20
215	52	14	connected	2032	331	188	188	20
216	52	86	connected	1401	331	188	188	20
217	43	77	connected	263	331	188	188	20
218	43	70	connected	1404	331	188	188	20
219	38	51	connected	1337	331	188	188	20
220	37	50	connected	1355	331	188	188	20
221	134	48	connected	1730	331	188	188	20
222	35	46	connected	936	331	188	188	20
223	35	47	connected	2074	331	188	188	20
225	20	70	connected	633	331	188	188	20
226	20	33	connected	1568	331	188	188	20
227	14	52	connected	466	331	188	188	20
228	14	47	connected	1652	331	188	188	20
229	86	52	connected	396	331	188	188	20
230	86	15	connected	2101	331	188	188	20
231	68	67	connected	1347	331	188	188	20
232	67	68	connected	986	331	188	188	20
233	39	56	connected	1203	361	188	188	20
234	39	57	connected	47	331	188	188	20
235	47	35	connected	1614	331	188	188	20
236	47	3	connected	1128	331	188	188	20
237	47	85	connected	540	331	188	188	20
238	47	15	connected	344	331	188	188	20
239	15	47	connected	361	331	188	188	20
240	15	86	connected	1634	331	188	188	20
241	15	85	connected	1835	331	188	188	20
242	85	47	connected	273	331	188	188	20
243	85	15	connected	478	331	188	188	20
244	85	53	connected	1585	331	188	188	20
245	53	85	connected	606	331	188	188	20
246	54	46	connected	1729	331	188	188	20
247	54	55	connected	16	331	188	188	20
248	54	21	connected	508	331	188	188	20
249	46	24	connected	1970	331	188	188	20
250	46	54	connected	170	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
251	46	14	connected	380	331	188	188	20
252	46	47	connected	636	331	188	188	20
253	54	52	connected	1531	331	188	188	20
254	52	54	connected	365	331	188	188	20
255	76	75	connected	986	331	188	188	20
256	73	48	connected	1455	331	188	188	20
257	81	17	connected	1509	331	188	188	20
258	17	81	connected	1375	331	188	188	20
259	47	46	connected	2118	331	188	188	20
260	97	4	connected	1621	331	188	188	20
261	98	10	connected	1547	331	188	188	20
262	99	11	connected	1314	331	188	188	20
263	99	13	connected	1895	331	188	188	20
264	100	14	connected	1439	331	188	188	20
265	100	15	connected	229	331	188	188	20
266	101	26	connected	1303	331	188	188	20
267	101	27	connected	1925	331	188	188	20
268	102	29	connected	2113	331	188	188	20
269	102	30	connected	675	331	188	188	20
270	103	13	connected	591	331	188	188	20
271	103	31	connected	2123	331	188	188	20
273	104	52	connected	1968	331	188	188	20
274	105	104	connected	1154	331	188	188	20
275	105	53	connected	467	331	188	188	20
276	106	52	connected	505	331	188	188	20
277	106	53	connected	263	331	188	188	20
278	106	54	connected	1540	331	188	188	20
279	107	64	connected	321	331	188	188	20
280	107	13	connected	1866	331	188	188	20
281	108	69	connected	580	331	188	188	20
283	109	81	connected	1937	331	188	188	20
284	109	82	connected	633	331	188	188	20
285	110	83	connected	1661	331	188	188	20
286	111	85	connected	1519	331	188	188	20
287	111	86	connected	211	331	188	188	20
288	112	87	connected	1486	331	188	188	20
289	112	113	connected	530	331	188	188	20
290	113	112	connected	1122	331	188	188	20
291	113	88	connected	1803	331	188	188	20
292	4	97	connected	918	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
293	10	98	connected	921	331	188	188	20
294	11	99	connected	990	331	188	188	20
295	13	99	connected	231	331	188	188	20
296	13	107	connected	643	331	188	188	20
297	13	103	connected	1793	331	188	188	20
298	14	100	connected	1058	331	188	188	20
299	15	100	connected	980	331	188	188	20
300	26	101	connected	907	331	188	188	20
301	27	101	connected	884	331	188	188	20
302	29	102	connected	1036	331	188	188	20
303	30	102	connected	910	331	188	188	20
304	31	103	connected	1080	331	188	188	20
305	52	104	connected	987	331	188	188	20
306	52	106	connected	565	331	188	188	20
308	53	106	connected	1249	331	188	188	20
309	54	106	connected	1069	331	188	188	20
310	64	107	connected	1004	331	188	188	20
311	69	108	connected	1173	331	188	188	20
312	81	109	connected	896	331	188	188	20
313	82	109	connected	1794	331	188	188	20
314	83	110	connected	810	331	188	188	20
315	85	111	connected	1178	331	188	188	20
316	86	111	connected	1107	331	188	188	20
317	87	112	connected	984	331	188	188	20
318	88	113	connected	976	331	188	188	20
319	105	86	connected	961	331	188	188	20
321	116	97	connected	1008	331	188	188	20
323	97	114	connected	543	331	188	188	20
325	97	120	connected	740	331	188	188	20
327	117	27	connected	990	331	188	188	20
328	117	97	connected	1753	331	188	188	20
330	104	119	connected	697	331	188	188	20
335	113	123	connected	1396	330	188	188	20
337	123	113	connected	486	331	188	188	20
338	123	88	connected	1652	331	188	188	20
339	124	125	connected	992	331	188	188	20
340	124	41	connected	1186	331	188	188	20
341	125	124	connected	1996	331	188	188	20
342	125	40	connected	1725	331	188	188	20
343	40	125	connected	466	331	188	188	20

id	source	destination	relation	offset x	offset y	width	height	color
349	128	40	connected	1268	331	188	188	20
350	129	42	connected	1689	331	188	188	20
355	137	5	connected	1006	331	188	188	20
356	137	6	connected	2077	331	188	188	20
357	133	75	connected	2089	331	188	188	20
358	133	44	connected	496	331	188	188	20
359	141	7	connected	984	331	188	188	20
360	141	6	connected	1546	331	188	188	20
361	147	21	connected	1897	331	188	188	20
362	147	6	connected	724	331	188	188	20
363	151	63	connected	980	331	188	188	20
364	151	6	connected	1746	331	188	188	20
382	110	191	connected	1978	331	188	188	20
388	46	76	connected	1410	331	188	188	20
389	46	35	connected	847	331	188	188	20
390	77	43	connected	282	331	188	188	20
391	75	133	connected	456	331	188	188	20
392	191	110	connected	1603	331	188	188	20
393	82	123	connected	534	331	188	188	20
394	129	40	connected	1886	331	188	188	20
395	119	104	connected	1878	331	188	188	20
396	119	120	connected	2134	331	188	188	20
397	119	86	connected	1164	331	188	188	20
398	86	119	connected	874	331	188	188	20
399	120	119	connected	503	331	188	188	20
400	120	53	connected	1501	331	188	188	20

Appendix A: Table 1.3, Proposed Site Information

The table on the following page was used in defining the original proposal map, as seen in *Figure 3*.

Key to Data Fields

‘RefName’- numerical designation for a hotlink; not to be confused with a location ‘id’.

‘Description’- location this hotlink is visible on as a clickable hyperlink; value is the location ID from associations declared in *Table 1.1a*.

‘Adjacent to’- an early declaration of which hotlinks would be present at a location, by defining the definition RefName. This was used to create an ideal two to four links, as to avoid too many or too few links to/from a location. Interior RefNames are bracketed to signify transitions from interior to exterior, or vice versa.

RefName	Description	Adjacent to
azhs001	Front of Azalea House	(intazhs), avlg001
avlg001	Front of Avery Lodge	(intavlg), azhs001
avlg002	Middle of Coop Quad	(intavlg), (intazhs), (intdxlg), (intoxhs)
oxhs001	Front of Oxford House	(intoxhs)
dxlg001	Front of Dixon Lodge	mcny001, (intdxlg)
mcny001	Front of McNary Hall	kad001, dxlg001, (intmcny)
mcndn002	Back Entrance to McNary Dining/ Hall	(intmcndn), (intmcny)
mcndn001	McNary Service Center	cal001, wil002, (intmcndn)
cal001	Front of Callahan Hall	kad001, mcndn001, (intcal)
cal002	Back of Callahan Hall	kad002, wil002, (intcal)
wil001	Front of Wilson Hall	kad002, (intwil)
wil002	Back of Wilson Hall	mcndn001, cal002, (intwil)
kad002	Back of Kerr Admin	cal002, wil001, kad001, casc002
kad001	Front of Kerr Admin	calo001, mcny001, kad002, vlib003
vlib003	Courtyard behind Valley	vlib004, vlib002, kad001
vlib002	Valley outside of Javastop 2	vlib003, vlib001
vlib001	Front of Valley Library	vlib002, mu002
vlib004	Fountain behind Valley Library	vlib003, mu003
vlib005	Statue by Valley	vlib001, mu002, mu003
mu002	MU Brick Courtyard	vlib005, mu003, mu001, mu006
mu003	MU Bookstore	mu004, mu002, vlib005, vlib004
mu001	MU Front Steps	mu004, mu006, mu005
mu006	MU Quad	mu002, mu001, mu005

RefName	Description	Adjacent to
mu005	MU Front Commons	mu001, mu006, mu004, wbf001
mu004	MU Back Commons	mu003, mu005, wfd001
wbf001	Women's Building Field	mu005, sack002, buxt002
wfd001	Front of Weatherford Hall	mu004, dxrc001, wfd002, (intwfd)
wfd002	Back of Weatherford Hall	wfd001, buxt001, pol001, buxt003
buxt001	Front of Buxton Hall	buxt002, pol001, wfd002, (intbux)
buxt002	Front of Central Office	buxt001, wbf001, haw002, (intcentral)
buxt003	Residential Quad	pol002, wfd002, cau001, (inthaw), (intbuxt), (intpol), (intcau)
pol001	Front of Poling Hall	wfd002, buxt001, pol002, (intpol)
pol002	Poling Office	buxt003, pol001, cau001
cau001	Front of Cauthorn Hall	pol002, haw001, wsdn001, (intcau)
haw001	Front of Hawley Hall	haw002, cau001, sack002, (inthaw)
sack002	Front of Sackett Hall	sack001, haw002, wbf001, haw001
sack001	Sackett Basketball Court	sack002, (intsack)
haw002	ResNet Entrance to Central	buxt002, haw001, sack002
wsdn001	Front of West Dining/ Service Center	cau001, west002, (intwsdn)
west002	Back of West Hall	wsdn001, (intwest)
west001	Front of West Hall	wsdn002, (intwest)
wsdn002	Back of West Dining	west001, (intwsdn)
dxrc001	Front of Dixon Rec Center	wfd001, pol001, dxrc002
dxrc002	Corner of 26th and Washington	dxrc001, dxrc003, gill001
gill001	Gill Colliseum	dxrc002, gill001

RefName	Description	Adjacent to
resr001	Reser Stadium	gill001, chac002, chac 001
chac001	CH2M Hill Alumni Center	resr001, chac002
chac002	Parking Structure	chac001, arnd002, finl002
arnd002	Catering Office	blss002, chac002
blss002	Back of Bloss	arnd002, arnd001, (intblss)
blss001	Front of Bloss	(intblss)
arnd001	Front of Arnold	blss002, hal002, finl002, (intarnd)
finl002	Back of Finley Hall	chac002, arnd001, hal002, (intfinl), (intarnd)
hal002	Back of Halsell Hall	arnd001, finl002, (inthal)
finl001	Front of Finley Hall	dxrc003, (intfinl)
hal001	Front of Halsell Hall	dxrc003, casc001, (inthal)
dxrc003	Washington Way	dxrc002, finl001, hal001, casc001
casc001	Corner of 17th and Washington	hal001, dxrc003, casc002
casc002	Intersection of 15th and Washington	casc001, kad002
orcc001	Orchard Court Apartments	orcc002, (intapt)
orcc002	Orchard Court Community Center	orcc001, orcc003, (intorecc)
orcc003	Orchard Court Courtyard	orcc002, orcc004
orcc004	Orchard Court New Apartments	orcc003, (intnewapt)

Appendix B. Graphical User Interface Proposals

Figure 16

Demonstration of Campus Map Integration

Figure 17

Demonstration of Campus Map Integration

Figure 18

Initial Proposal for the OSU 360 Graphical User Interface

Figure 19

Initial Proposal for a UHDS Virtual Tour Redesign

Figure 20

Post-release Introductory Page Proposal

Figure 21

Demonstration of a Guided-Tour Left Navigation Bar

Figure 22

Demonstration of a Guided-Tour Left Navigation Bar with a Tour Index

Figure 23

Post-release Campus Map Imbedding Proposal, without Exterior Locations

Figure 24

Post-release Campus Map Imbedding Proposal, with Exterior Locations

Figure 25

Demonstration of a Building Index below Descriptions

Figure 26

Demonstration of a Building Index in the Left Navigation Bar

Figure 27

Demonstration of a Building Index next to 360 Viewer

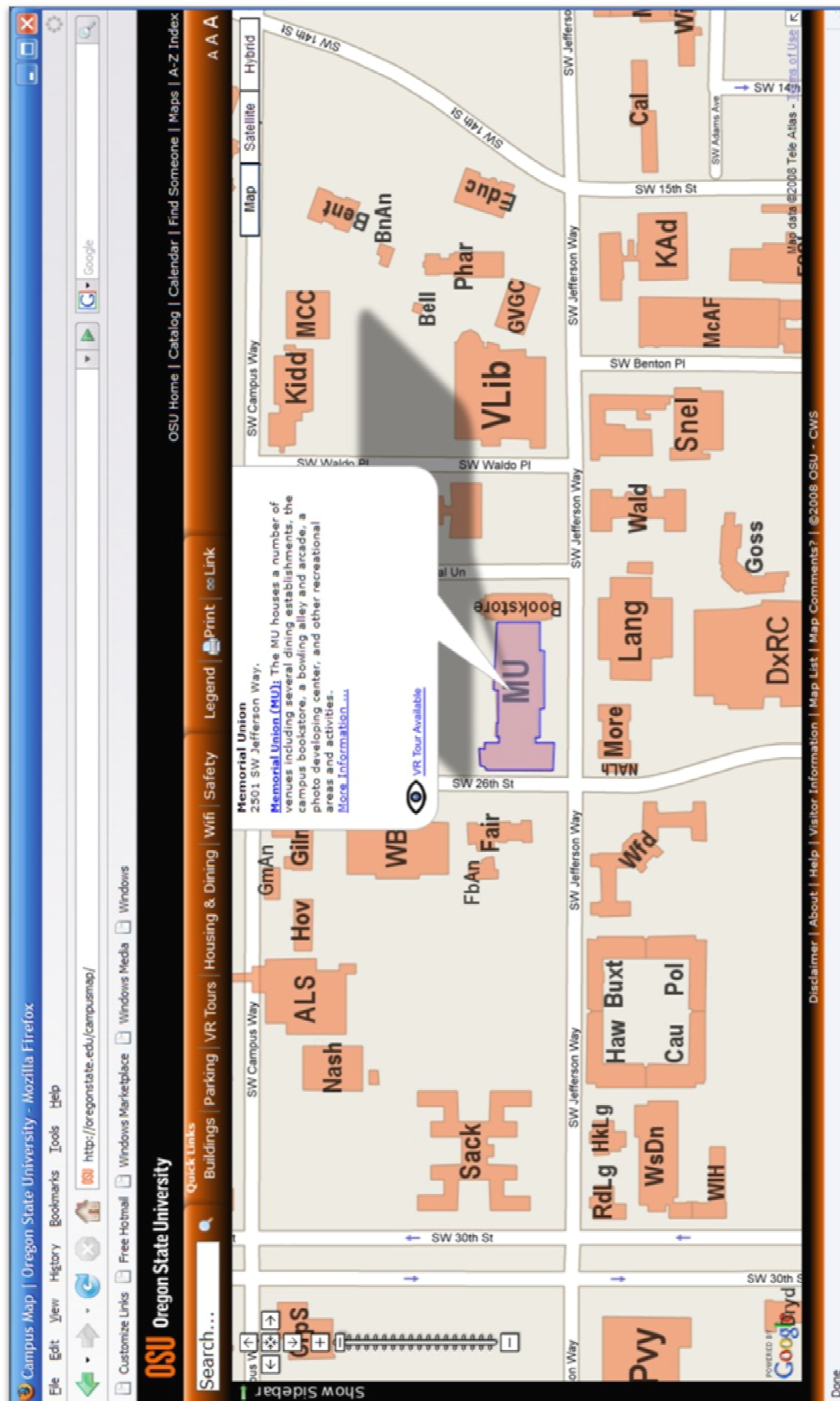


Figure 16, Demonstration of campus map integration through a hyperlink below a location's description, visible when building is clicked. (May 2008 Initial Content Design Proposal)

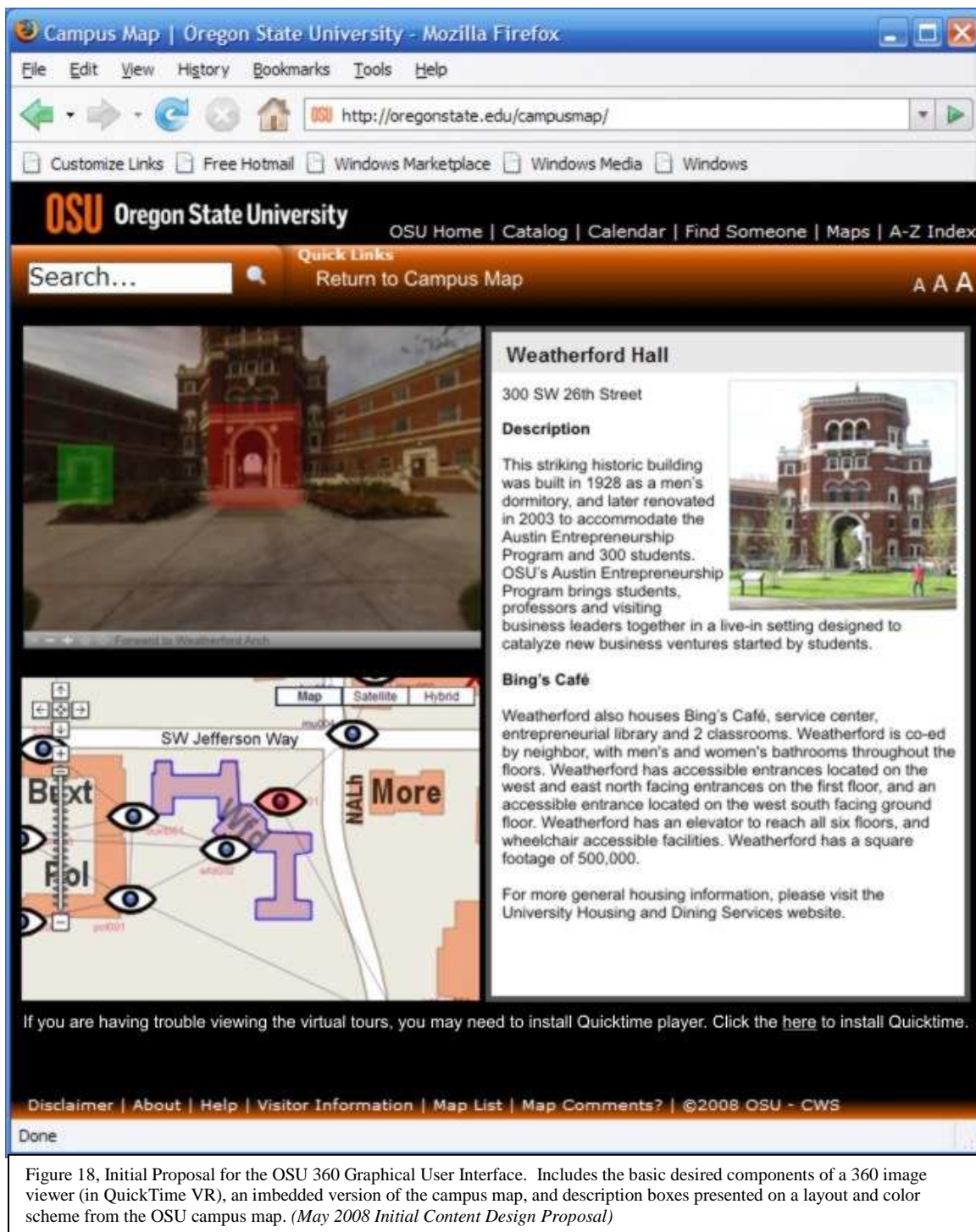


Figure 18, Initial Proposal for the OSU 360 Graphical User Interface. Includes the basic desired components of a 360 image viewer (in QuickTime VR), an imbedded version of the campus map, and description boxes presented on a layout and color scheme from the OSU campus map. (May 2008 Initial Content Design Proposal)

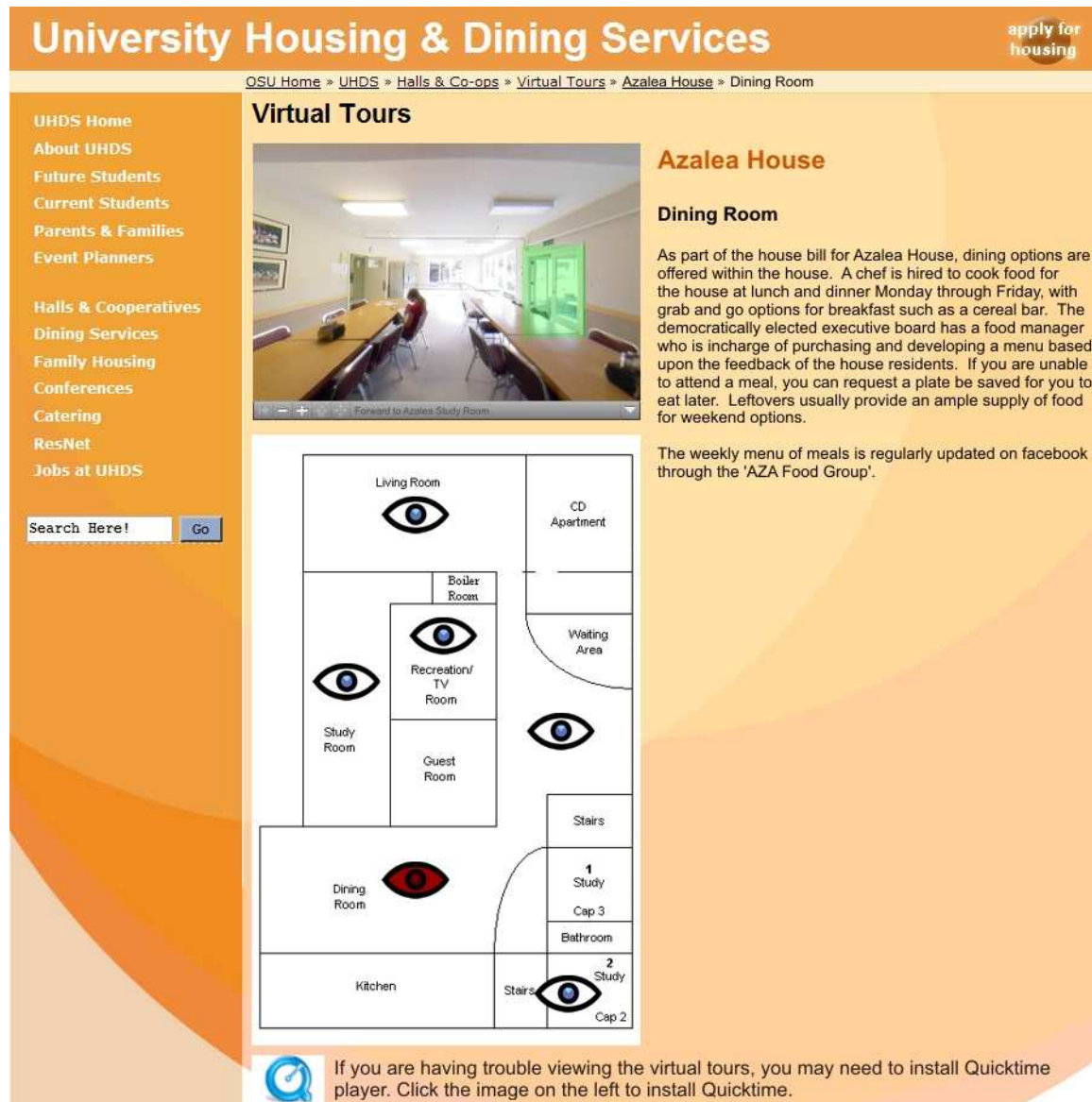
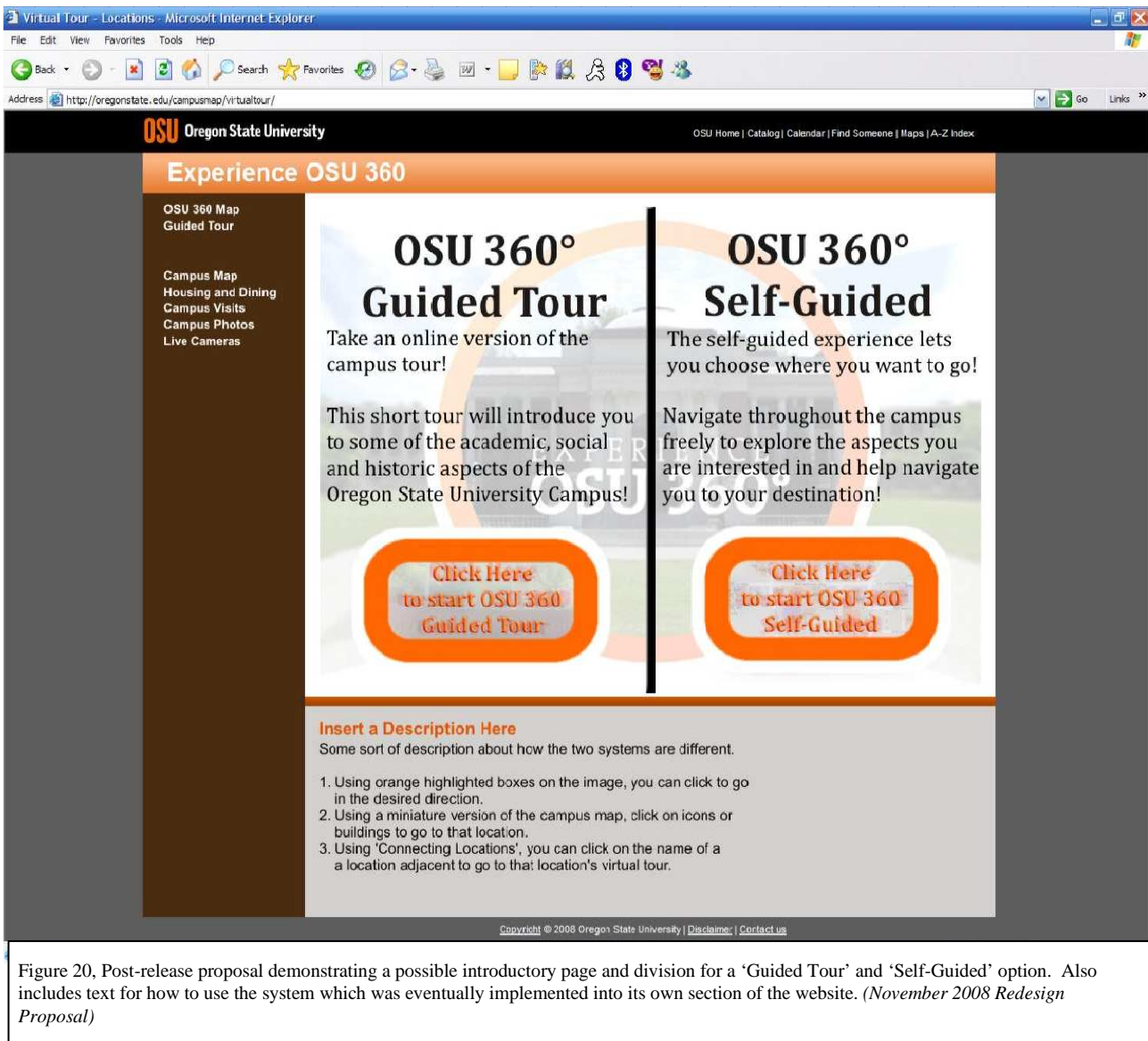


Figure 19, Initial Proposal for a revised UHDS Virtual Tour Graphical User Interface. Includes a further localized description, integration with a floor plan, and a 360 image viewer (in Quicktime VR). (May 2008 Initial Content Design Proposal)



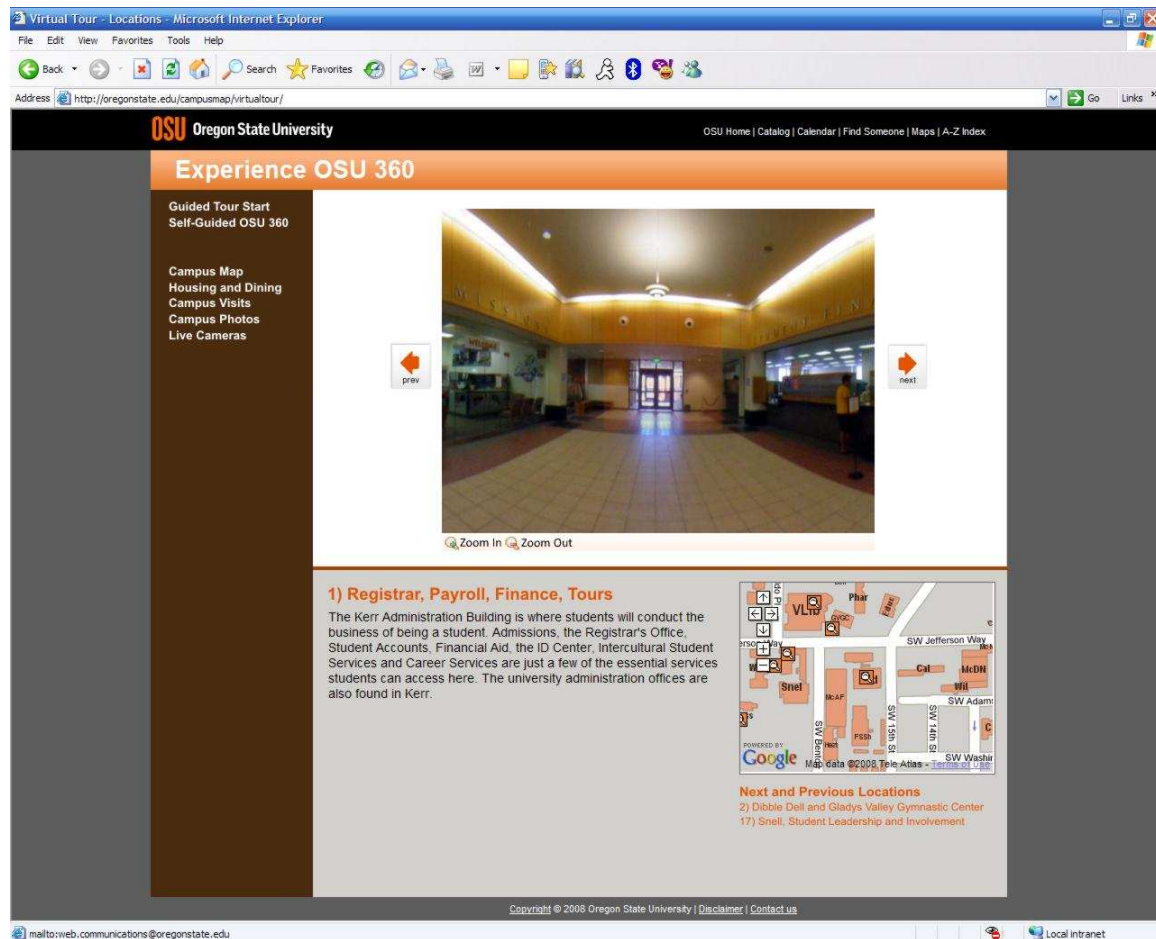


Figure 21, Post-release proposal demonstrating the left navigation bar for a 'Guided Tour' and 'Self-Guided' option. (November 2008 Redesign Proposal)

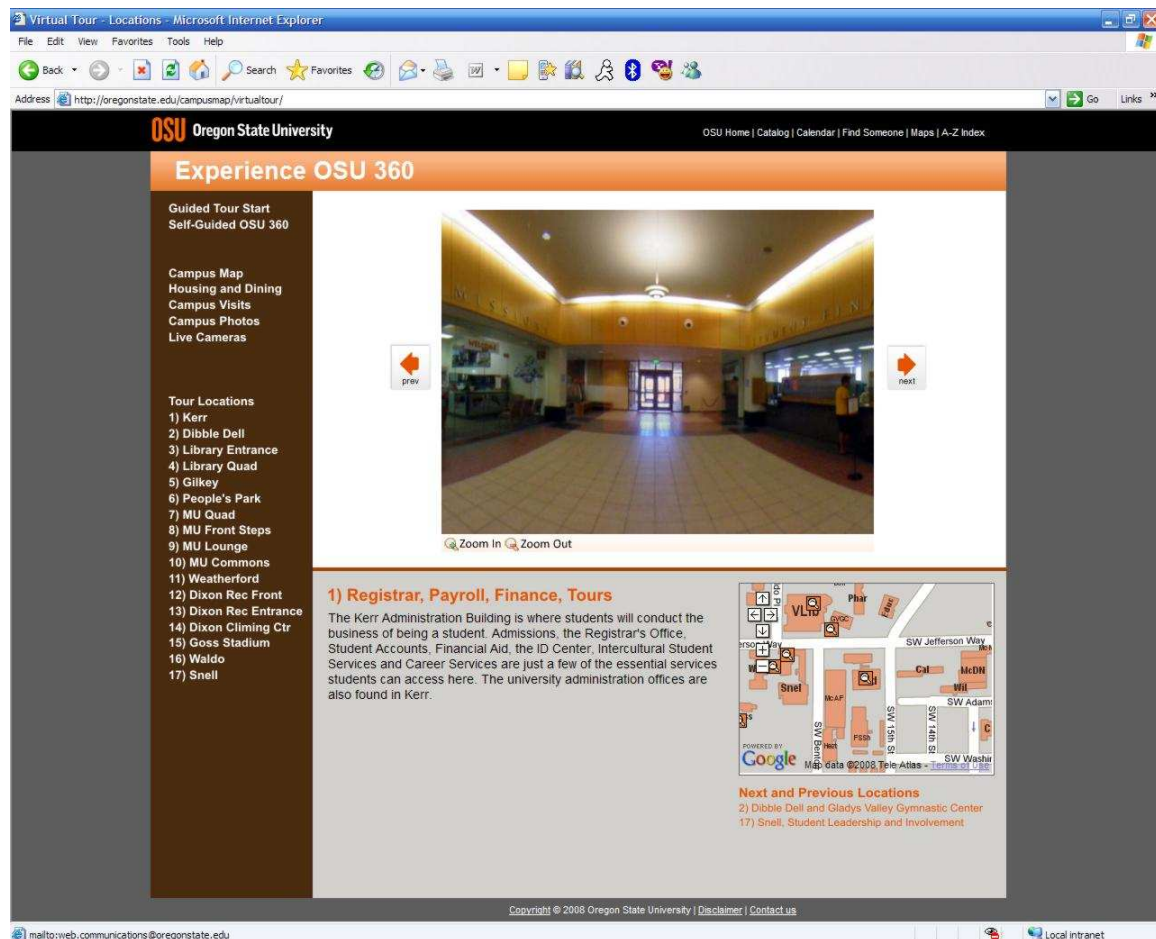


Figure 22, Proposed option for implementing a tour index in the left navigation bar of the original OSU 360 interface. (November 2008 Redesign Proposal)

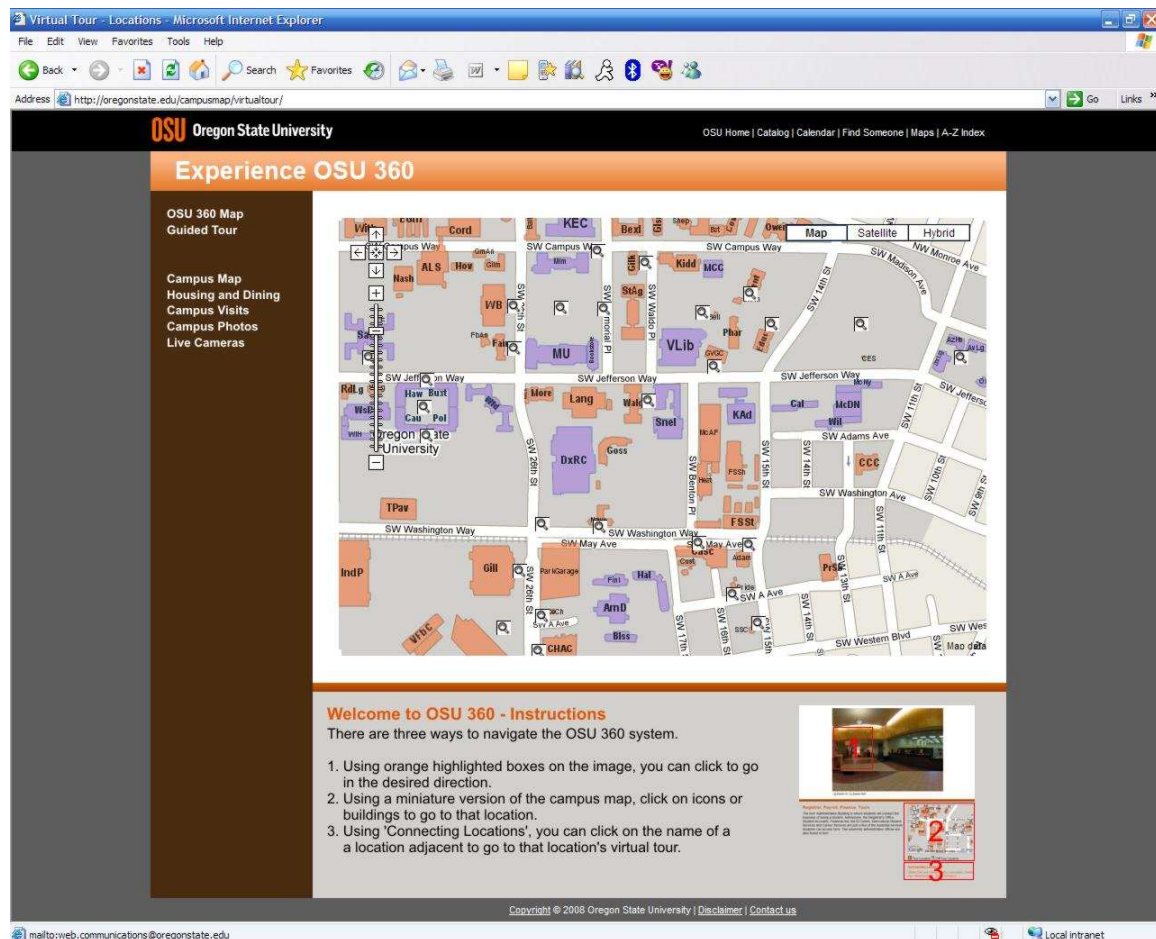
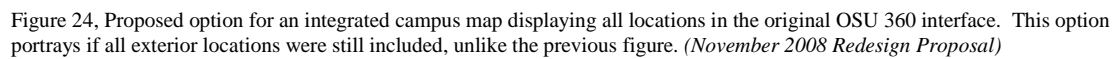


Figure 23, Proposed option for an integrated campus map displaying all locations in the original OSU 360 interface. This option portrays if all exterior locations had their individual icons removed, and instead were listed within the 'purple' building shapes. This was the selected option used to display exterior locations and the campus map in the Tier 2 system (November 2008 Redesign Proposal)



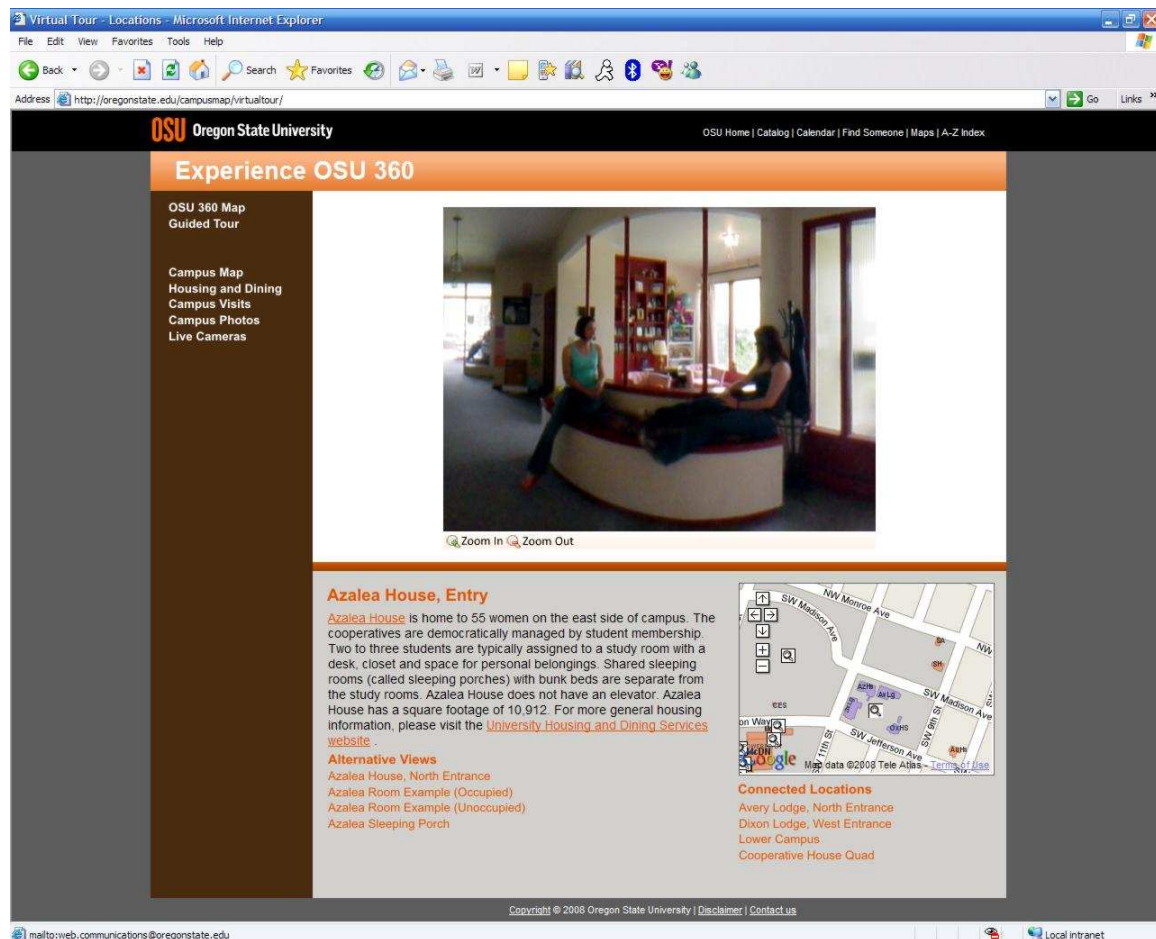


Figure 25, Proposed option for implementing a building index below the description of the original OSU 360 interface.
(November 2008 Redesign Proposal)

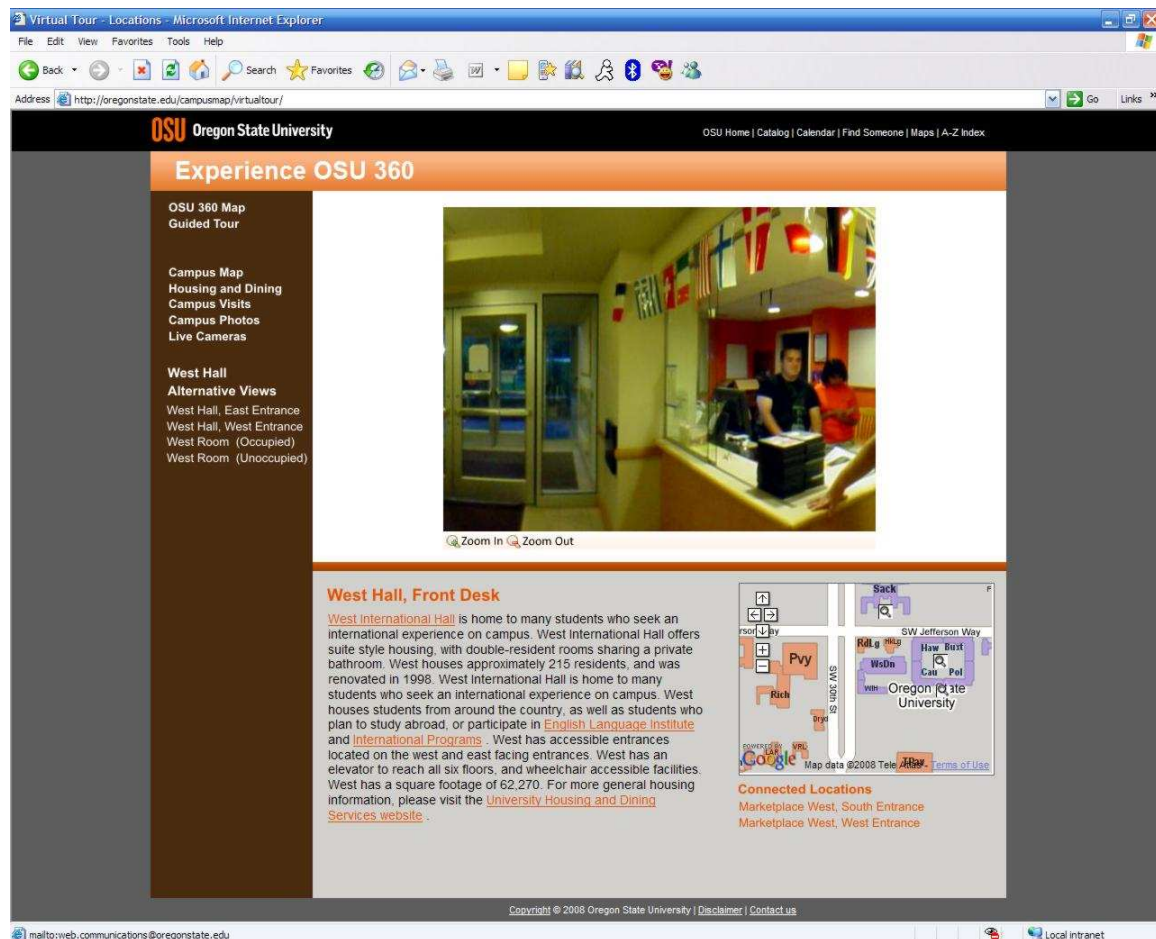


Figure 26, Proposed option for implementing a building index in the left navigation bar of the original OSU 360 interface. (November 2008 Redesign Proposal)

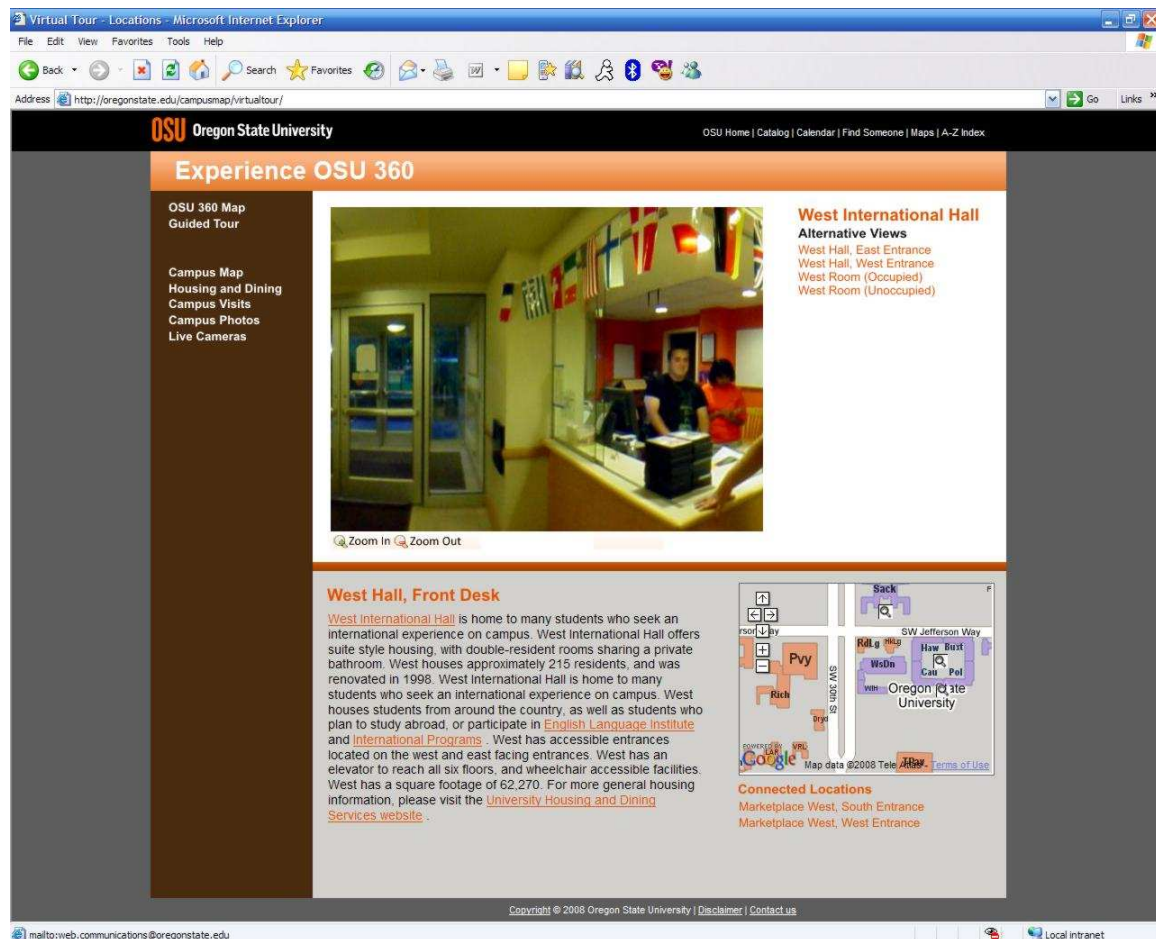


Figure 27, Proposed option for implementing a building index using dead space around the 360 viewer of the original OSU 360 interface. This involved moving the 360 viewer left which, due to the left navigation bar, centralizes the viewer. This was the selected option for displaying the building and tour indexes in the Tier 2 system. (November 2008 Redesign Proposal)