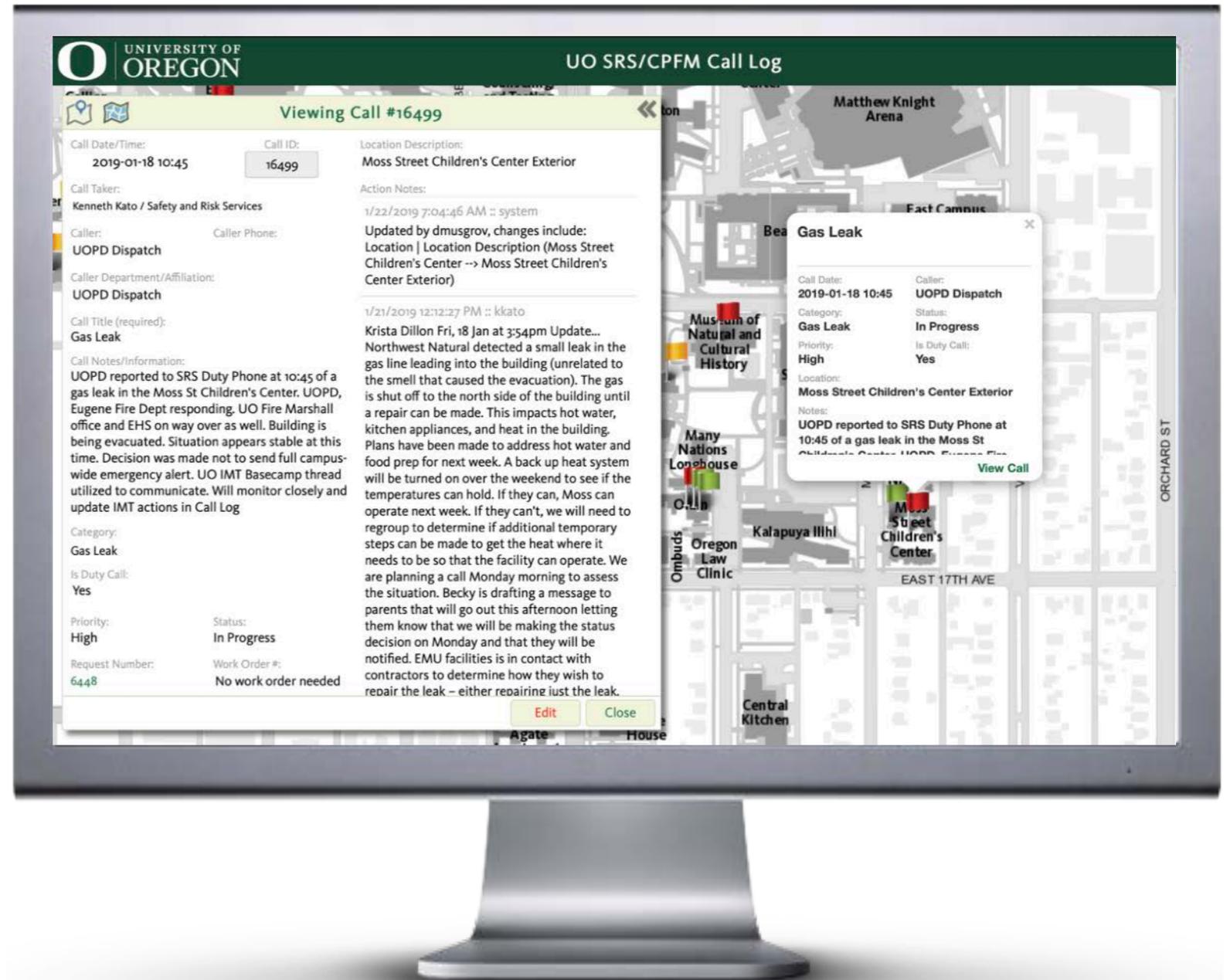
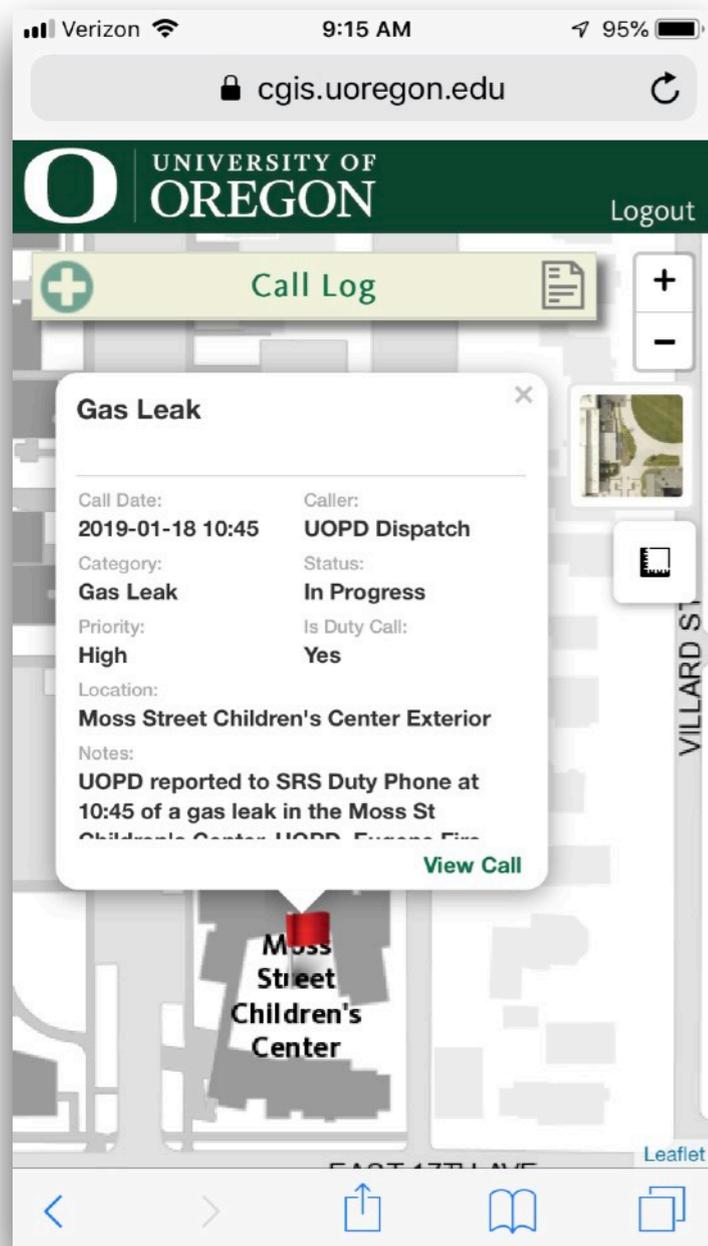


# Innovations in Location/Mapping Technologies:

## Enhancing Service Efficiency, Safety, and Resilience at UO

*Through Innovations in Indoor Location Services and Mapping Technologies*



***Ken Kato - Director, GIS and Mapping Program - Location Lab***

# Our Mission

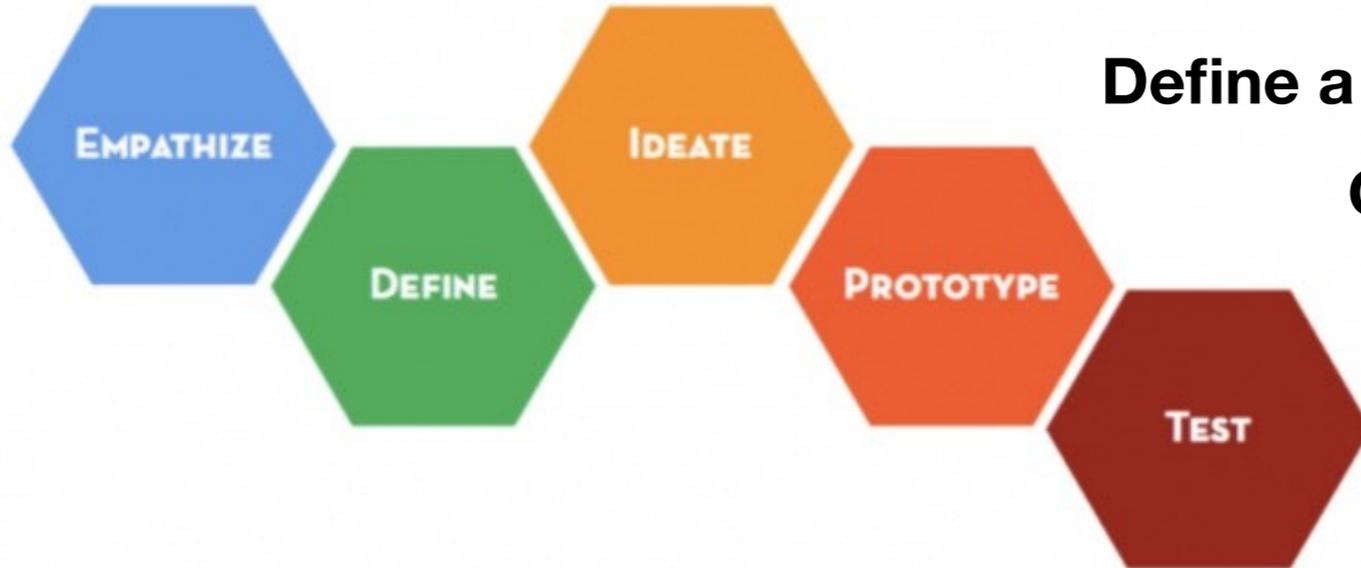
**A smarter, safer, and more efficient campus through geospatial data, technology and systems.**

# Our Philosophy

**Providing stable, reliable and accurate services and products - using Design Thinking and Strategic Doing approaches.**

*empathize - define - ideate - prototype - test*

# Design Thinking



**Every thing we do first starts with people**

**Define a problem that can be collaboratively solved**

**Creatively produce ideas to solve problems**

**Rapidly make something**

**Test it out**

**Iterate**

# Strategic Doing



**Playing a strong role in leading transformational organizational change**

**Innovation = Disruption**

**Disruption = Risk**

**Risk = Fear**

**Empathy = Trust**

**Provide solutions and tools that are world class**

**Yes, and...**

# Enter new Ride

Caller Lookup:

950418



Valid 95#

Call

01

First Name:

First Name

Last Name:

Last Name

Phone Number:

Phone Number

## Enter new Ride

Caller Lookup:

950418046



Valid 95#

Call Time:

01 : 15 : PM

First Name:

First Name

Last Name:

Last Name

Phone Number:

Phone Number

Rider Count:

1

Pickup Location Search:

Location Search Text



Dropoff Location Search:

Location Search Text



Assigned Van:

Unassigned

Wait Time:

0

minutes

Earliest Pickup:

01 : 15 : PM

Ride Estimate:

5

minutes

Ride Notes:

Log "Turn Away"

Save

Cancel

Schedule

Map View



01 : 11 : 25

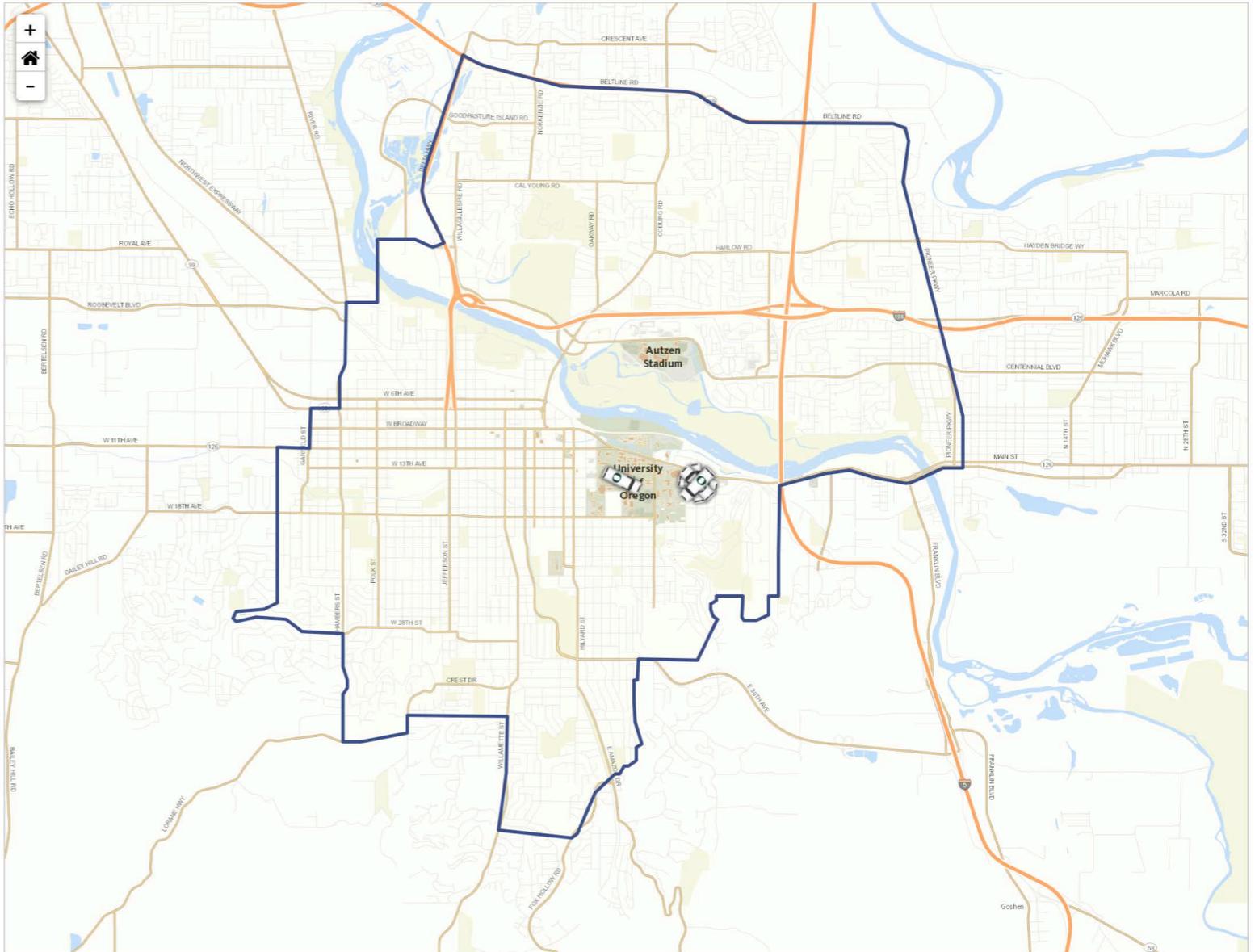
Unassigned Assigned En-Route Call Rider Picked Up Complete

### Unassigned Rides

Select All

Showing all rides

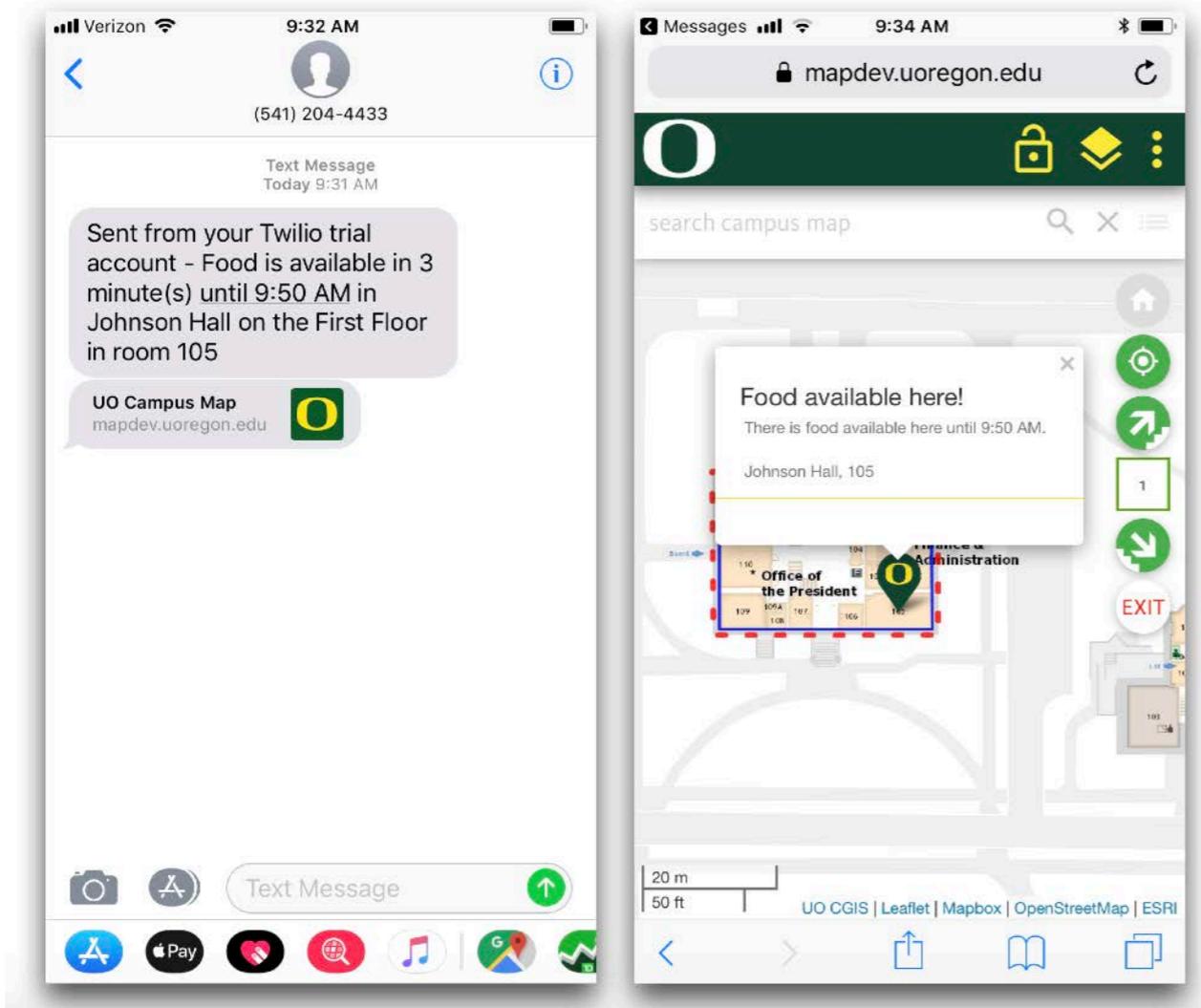
Whew, no unassigned rides! :)



# Projects contributing to the Academic, Research/Innovation and Student Success Missions

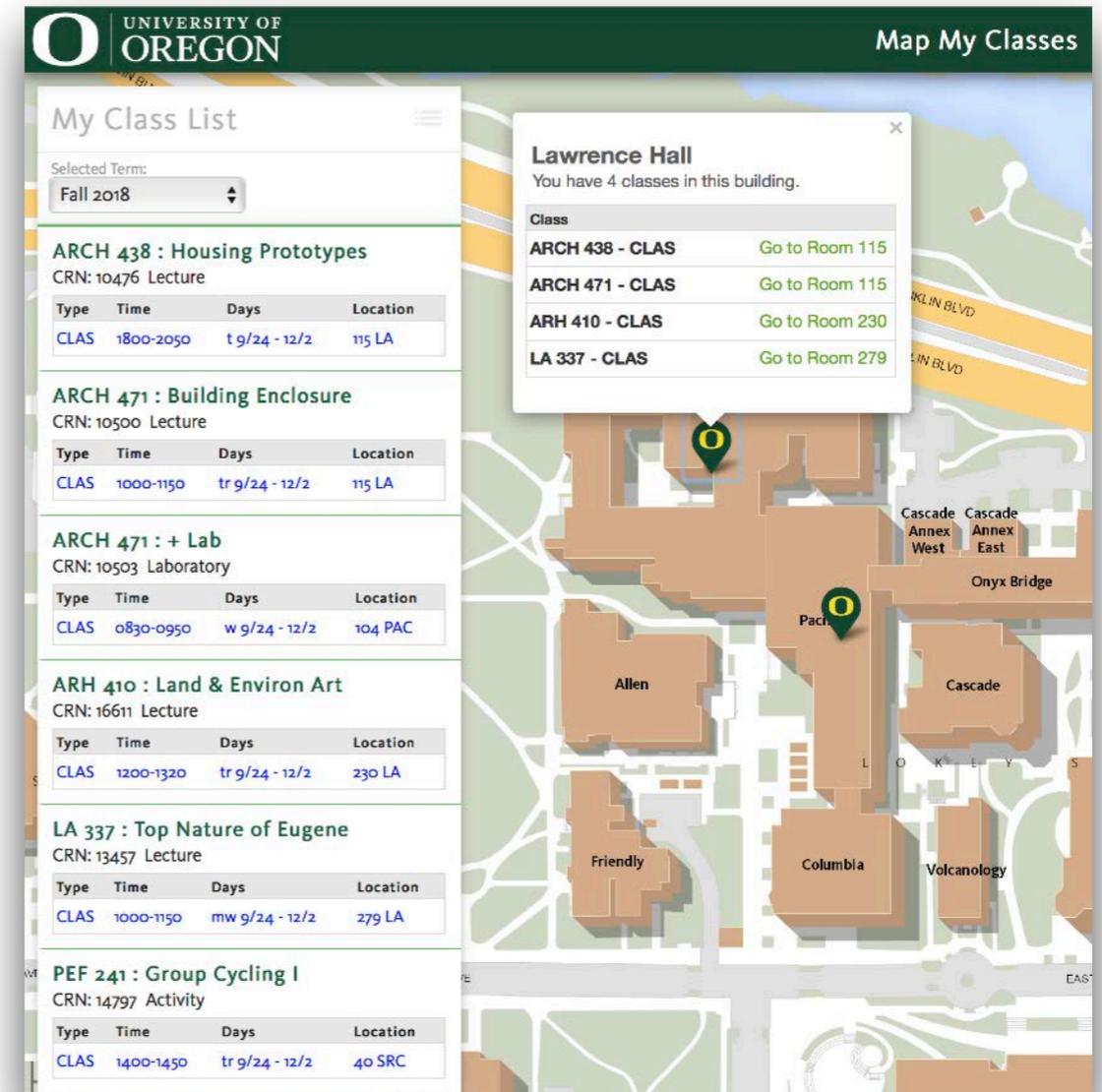
Whenever possible, leverage innovations to maximize benefit for students and researchers.

## Leftover Textover Student Food Insecurity



Partnership with Food Security Taskforce,  
Dean of Students, ASUO, VPFA

## MyClassMap Student Success / Retention



Partnership with Information Services and  
Enrollment Management, targeting student  
retention/success of freshmen class

Office of the **Dean of Students**

- Community
- Leadership
- Prevention
- Sexual Assault Response
- Off-Campus Living
- Conduct
- Need Help**
- About
- Report a Concern
- Student Care Team
- About Bias
- Faculty Staff Support
- Helping a Friend
- Basic Needs
- Food Security**

**Food Security**

We know that as a student, you have a lot things on your plate. But with the rising cost of education, housing, and other expenses, your plate might be lacking one vital item—food.

The University of Oregon recognizes the importance of proper nutrition, and that having enough food contributes to your academic success. That’s why we’re continuing to take steps to address food insecurity in the lives of our students. To help “feed the flock,” our campus and community partners have created important new initiatives for the 2018–19 academic year, made available with joint funding from Associated Students of the University of Oregon and the Office of the President.

These new resources, as well as programs already in existence, are summarized below.



**Produce Drop**

In partnership with Food for Lane County and Trillium Produce Plus, the UO Student Sustainability Center’s new monthly program in the EMU Amphitheater places fresh produce directly into the shopping bags of UO students who self-identify as living at or below 200 percent of the Federal poverty level.



**Ducks Leftover Textover**

The Ducks Leftover Textover program alerts current UO students via text message when there is leftover, free food available on campus. These leftover portions come from campus events where food was ordered from UO Catering, but not all of it was consumed.

Texts to announce available food will occur in real time—typically with about 15 minutes notice—and include a location link on the UO campus map.

[Sign up for Ducks Leftover Textover](#)

Want to donate your catering leftovers to Textovers?  
[Contact UO Catering](#) directly.

**foodsecurity.uoregon.edu**

- **Produce Drop**
- **Ducks Feeding Ducks**
- **SNAP** (*Supplemental Nutrition Program*)
- **Student Food Pantry**
- **Ducks Leftover Textover**



December 2018

**FOOD INSECURITY**

**Better Information  
 Could Help Eligible  
 College Students  
 Access Federal Food  
 Assistance Benefits**

# Food Security - Basic Stakeholder Groups

## Program Administration & Policy

The program requires oversight and administration to ensure participating students are receiving the desired outcomes

Sponsors Program

Organizes Stakeholders

Sets Policies

Funds the Program

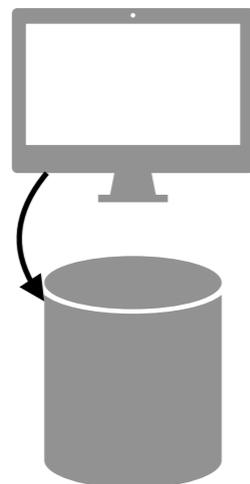
Promotes the Program

Evaluates Feedback

## Software System & Data

The software system will be built on top of the Campus GIS & Mapping software platform. It will leverage several existing technologies and integrate a new text notification feature

Enters Key Info:  
location  
date/time  
contact cell #'s  
Notification times



Arranges Event



## Participating Units

The program will need participation from units that are using Catering's services to cater their events. The participating unit requires at two roles, the event arranger and event attendee - that may or may not be the same person.

Attends Event

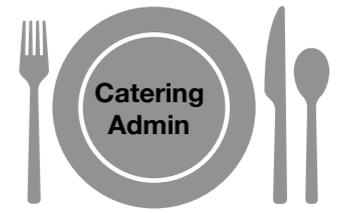


## Catering



Routes user to sign-up form

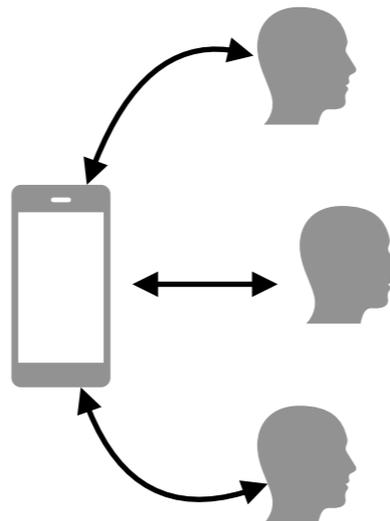
The Program will need participation from Catering to identify events that can work for the project goals. Catering's website sign-up page can be utilized to capture units/events willing to join. Catering administrative staff will help coordinate participating events and clean-up staff will be informed



Informs Catering of Participating Event

## Participating Students

Students need a timely and discrete way to be notified of available food from a catered event. They can sign up and receive notifications from their cell phones. Users will need Duck ID to sign up to ensure UO students can participate. They will provide only one cell number for notifications and agree to terms of program. A goal will be to maximize anonymity and not store any personally identifiable information or data that would constitute a "student record".



# Food Security - Pre-Event Logistics

## Program Administration & Policy

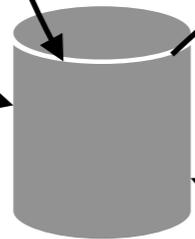
### Sets Policies

Crafts the text message language. Establishes time window for food availability.

## Data & Software System

Enters Key Info:  
location, date/time, contact cell #

3



## Participating Unit

### Arranges Event



Visits Catering Website & Agrees to participate

2

The participating unit requires at an event arranger that contacts Catering to set up a catered event. They identify an event attendee (and cell #) that will also participate (may or may not be the same person).

## Catering

Catering Website

Routes user to sign-up form

4



Informs Catering of Participating Event

Catering enables the website sign-up page to capture willing units, administrative staff to be informed and possibly clean-up staff to be informed

## Participating Students

Log in w/ Duck ID to Sign Up

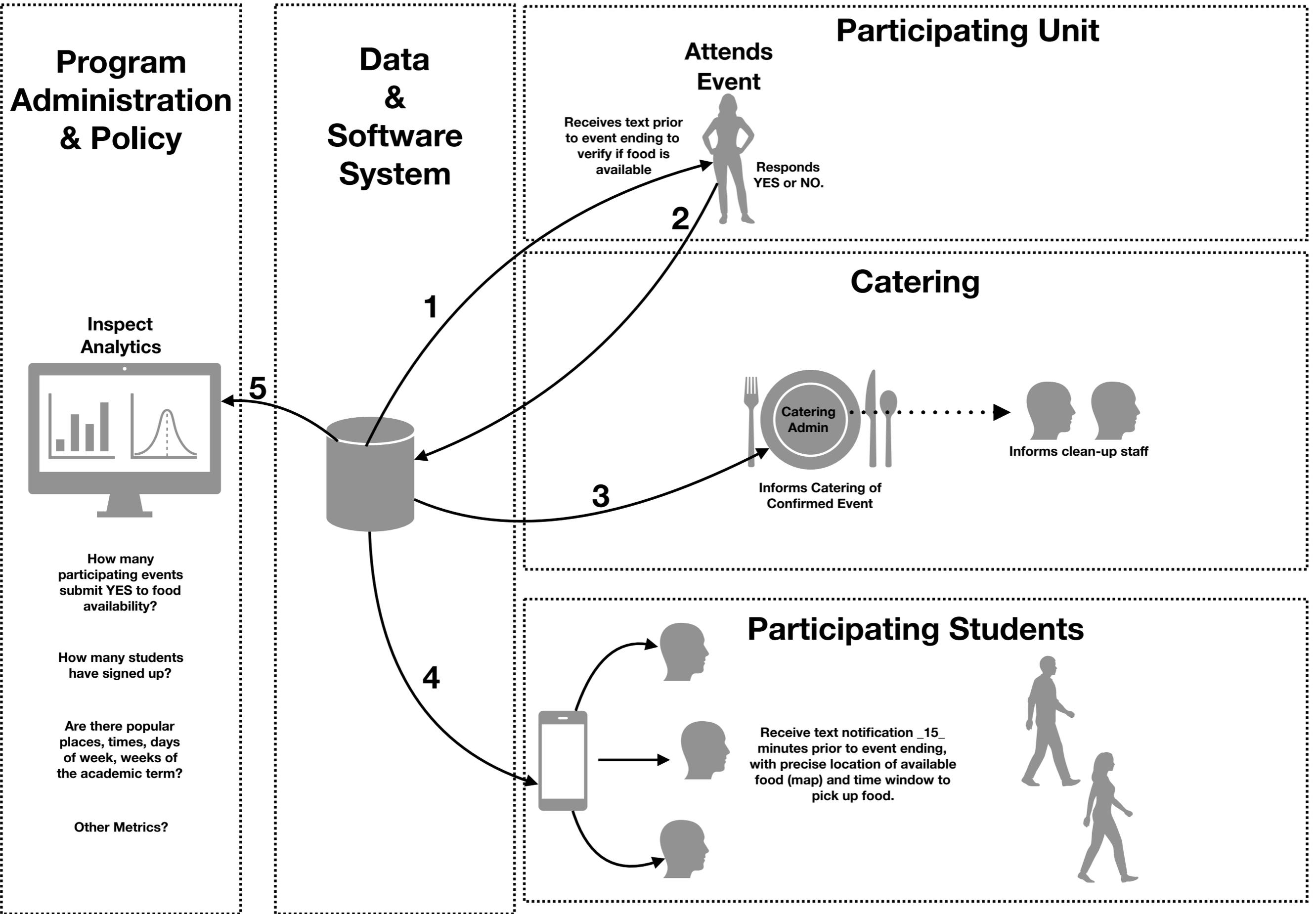
Provide Cell #

Agree to terms



Users will need Duck ID to sign up to ensure UO students can participate. They will provide only one cell number for notifications and agree to terms of program

# Food Security - Event and Post-Event Logistics



## Ducks Leftover Textover Sign-Up

### Sign Up here to be notified when free food is available!

The Ducks Leftover Textover program is ready to Go! This new program will alert current students via text message when there is leftover, free food available on campus. These leftover portions typically come from campus events where food was ordered from UO Catering, but not all of it was consumed.

Your Name (not required):

Your Email Address:

Mobile Phone (XXX-XXX-XXXX):

Do you identify as food insecure (lack reliable, affordable access to healthy food)?

Yes

No

I agree to the [terms and conditions](#)

Submit

# Vacation Watch

## Vacation Watch Signup

Will anyone be at the residence while you are gone (including roommates)?

No

Is the residence behind a locked gate or otherwise inaccessible to our staff?

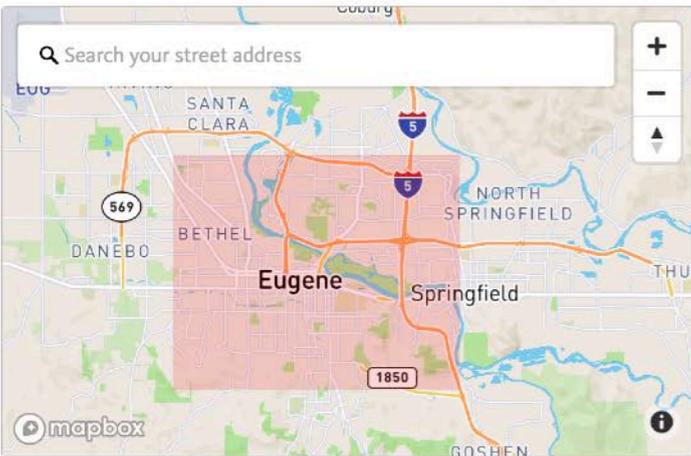
No

Will there be an animal left unattended inside your residence?

No

First Name: Last Name:

Phone Number: Email Address:



Date/Time Leaving:

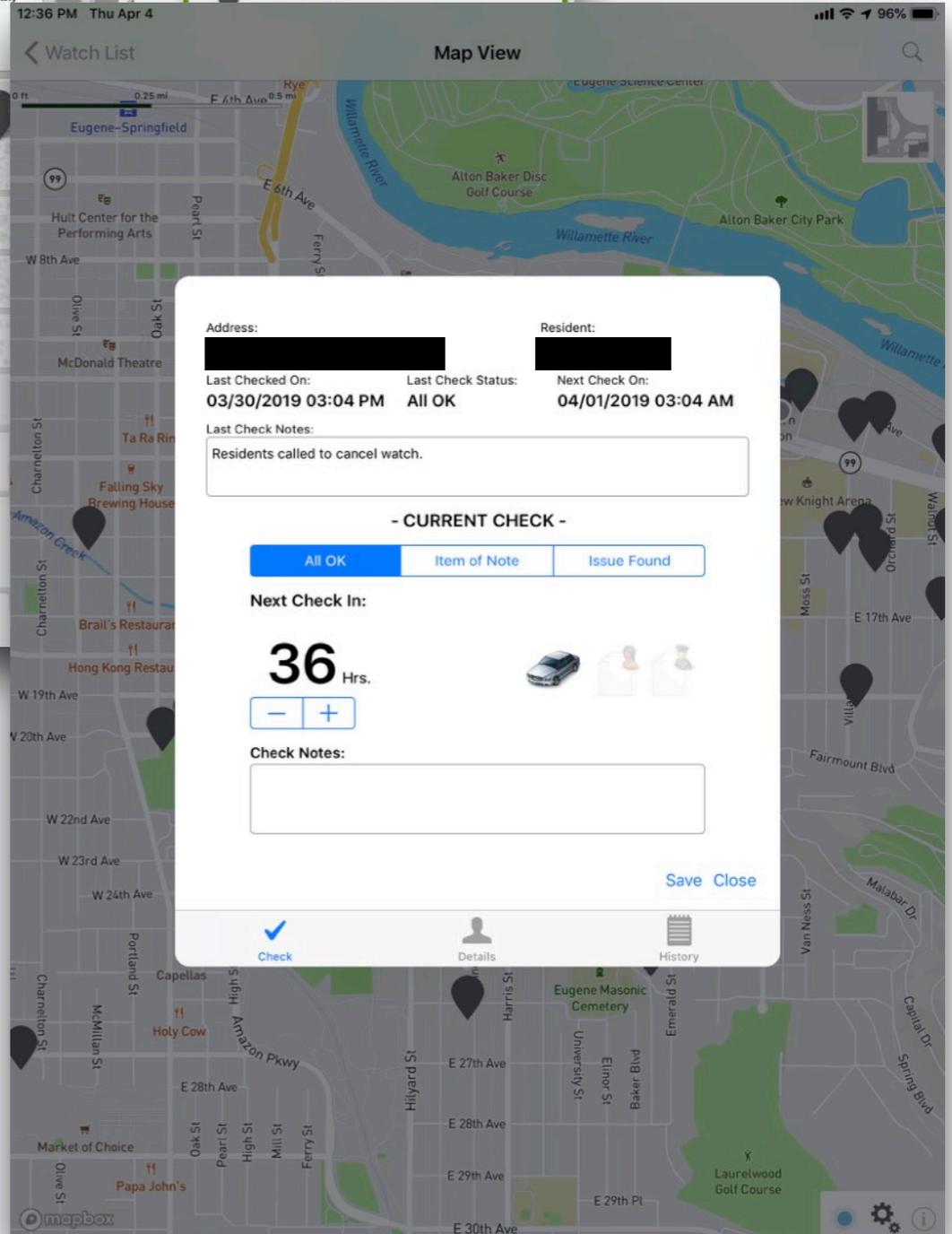
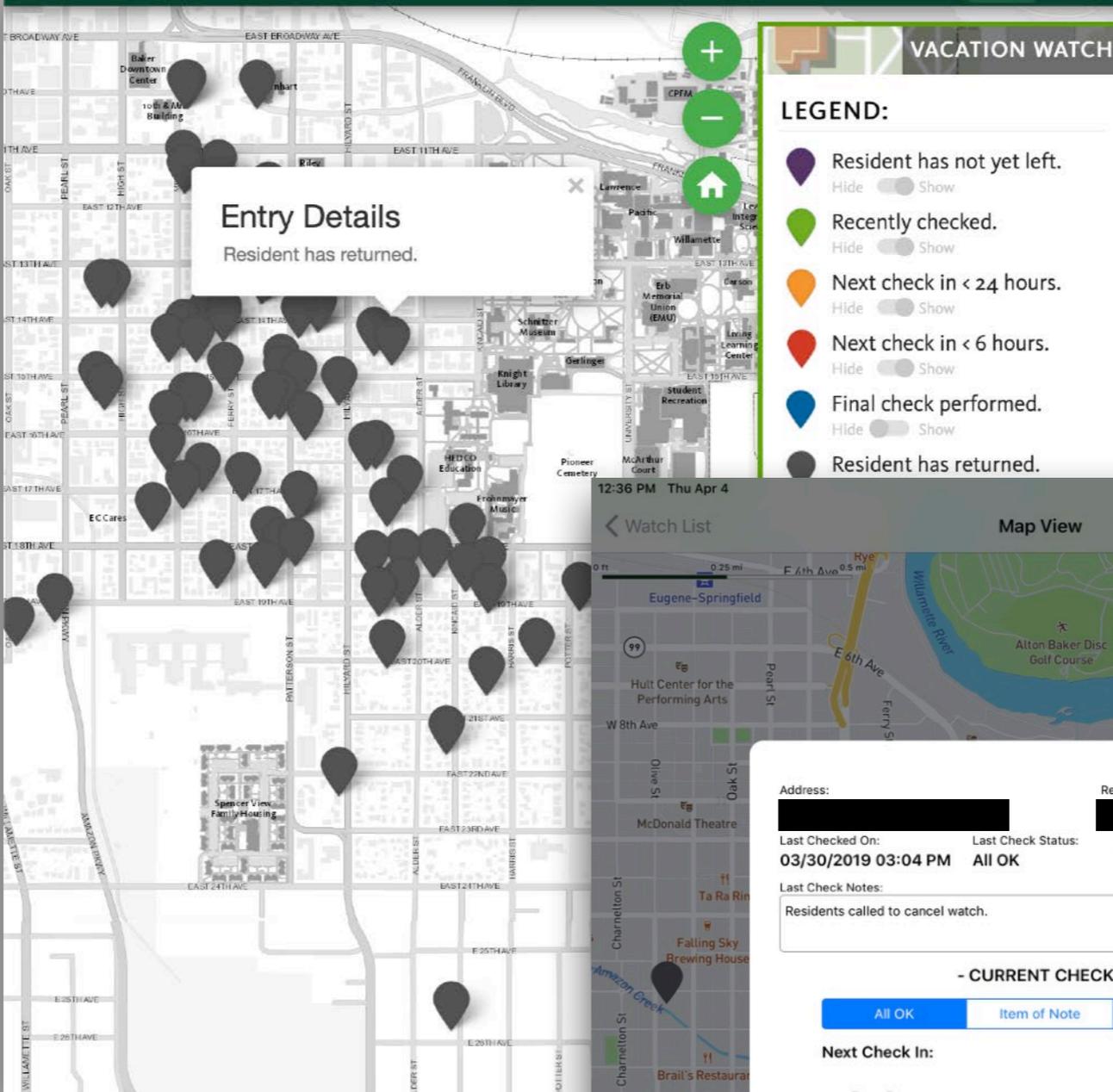
Date/Time Returning:

Would you like us to check on a vehicle?

No

Secondary Contact (not required): Phone Number:

If we can't reach you, we will try and contact this person next.



Call Log

Hide Filters Show Layers

Tue, Apr 2nd to Thu, Apr 4th

Today -1 -7

Category: Any Is Duty Call:  No  Yes

Priority: Any Status: Any

Category Home Org: All selected Building Filter: All  Filter

Call Taker Home Org: Any Home Org Call ID:

Work Order Status: Either Free Text:

Export
Reset
Apply

None	None	o
<b>Friendly Hall : 1161 E. 13th</b>	<b>Police Activity</b>	20309
Call Time: 05:06 pm	Caller: UOPD	
Duty Call: No	Category: Police Activity (UOPD)	
Request #: None	Work Order #: None	o
<b>Agate Hall 208</b>	<b>Broken Hot Water Faucet handle</b>	20308
Call Time: 04:19 pm	Caller: Liang, Jiaqi	
Duty Call: No	Category: Plumbing (CPFM)	
Request #: 9083	Work Order #: 19027330	o
<b>PLC : 1415 Kincaid</b>	<b>Police Activity</b>	20307
Call Time: 03:59 pm	Caller: UOPD	
Duty Call: No	Category: Police Activity (UOPD)	
Request #: None	Work Order #: None	o



### Shuttle Stops

- 1 2125 Franklin Apartments
- 2 Jaqua / Hamilton Residence Hall
- 3 EMU Near Columbia 150
- 4 Lillis Hall
- 5 Riley Hall
- 6 Central Presbyterian Church Parking Lot
- 7 Spencer View

**CAMPUS SHUTTLE**

Free, bus-style fixed-route shuttle for UO students and employees. Shuttles service each stop approximately every 20 minutes.

Hours of operation: 6:00 p.m. - 1:00 a.m. daily

Note: shuttle positions shown on map are approximate.

- ✔ University Route
- Event Route
- Safe Rides Service Area

UNIVERSITY OF OREGON **SafeRides/Campus Shuttle Reporting** Select a Report: Campus Shuttle

**Campus Shuttle**

Pick Ups / Drop Offs

Stop:	Thu 03/14	Fri 03/15	Sat 03/16	Sun 03/17	Mon 03/18	Tue 03/19	Wed 03/20	Totals:
15th & Walnut, Arena District Apartments	1 / 2	5 / 11	2 / 2	7 / 3	3 / 4	0 / 0	2 / 1	20 / 23
Agate Hall	1 / 0	0 / 2	0 / 0	1 / 1	0 / 1	0 / 0	0 / 0	2 / 4
Central Presbyterian Church Parking Lot	1 / 1	0 / 3	0 / 1	0 / 1	0 / 2	1 / 2	0 / 0	2 / 10
Clinical Services	0 / 0	0 / 1	2 / 0	0 / 0	2 / 1	0 / 1	1 / 2	5 / 5
EMU Near Columbia 150	2 / 3	7 / 2	4 / 1	6 / 1	7 / 3	5 / 0	3 / 2	34 / 12
Jaqua Center Parking Lot	0 / 0	3 / 0	1 / 2	0 / 0	0 / 2	0 / 0	0 / 0	4 / 4
Kalapuya Ilihi	0 / 0	5 / 3	0 / 0	0 / 6	0 / 0	1 / 1	0 / 0	6 / 10
Knight Library	2 / 0	2 / 0	1 / 0	0 / 0	2 / 0	1 / 2	2 / 0	10 / 2
Lillis Hall	10 / 3	6 / 0	10 / 4	5 / 0	7 / 2	5 / 0	0 / 1	43 / 10
Museum of Natural and Cultural History	3 / 4	6 / 2	6 / 3	0 / 1	3 / 3	0 / 0	0 / 0	18 / 13
Rainier Building	0 / 1	1 / 7	3 / 3	0 / 1	2 / 2	1 / 2	2 / 1	9 / 17
Riley Hall	1 / 5	0 / 0	0 / 7	2 / 3	0 / 5	0 / 1	0 / 2	3 / 23
Spencer View	1 / 3	0 / 2	0 / 5	0 / 4	0 / 1	2 / 7	1 / 2	4 / 24
Student Rec Center	0 / 0	1 / 3	0 / 1	0 / 0	0 / 0	0 / 0	0 / 0	1 / 4
Off Route Stop	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
<b>Totals:</b>	<b>22 / 22</b>	<b>36 / 36</b>	<b>29 / 29</b>	<b>21 / 21</b>	<b>26 / 26</b>	<b>16 / 16</b>	<b>11 / 11</b>	<b>161 / 161</b>

Export to Excel Thu, Mar 14th thru Wed, Mar 20th

One week running average Previous Week Next Week

Stop:	PICK-UPS	DROP-OFFS
15th & Walnut, Arena District Apartments	2.86	3.29
Agate Hall	0.29	0.57
Central Presbyterian Church Parking Lot	0.29	1.43
Clinical Services	0.71	0.71
EMU Near Columbia 150	4.86	1.71
Jaqua Center Parking Lot	0.57	0.57
Kalapuya Ilihi	0.86	1.43
Knight Library	1.43	0.29
Lillis Hall	6.14	1.43
Museum of Natural and Cultural History	2.57	1.86
Rainier Building	1.29	2.43
Riley Hall	0.43	3.29
Spencer View	0.57	3.43
Student Rec Center	0.14	0.57
Off Route Stop	0	0
<b>Totals:</b>	<b>23</b>	<b>23</b>

Totals (Pick Ups / Drop Offs)	Totals MTD	Totals YTD	Totals Last YTD	Totals Last Year
For the Month ending: Thursday, 04 April 2019	28 / 26	1989 / 1984	0 / 0	2337 / 2325

