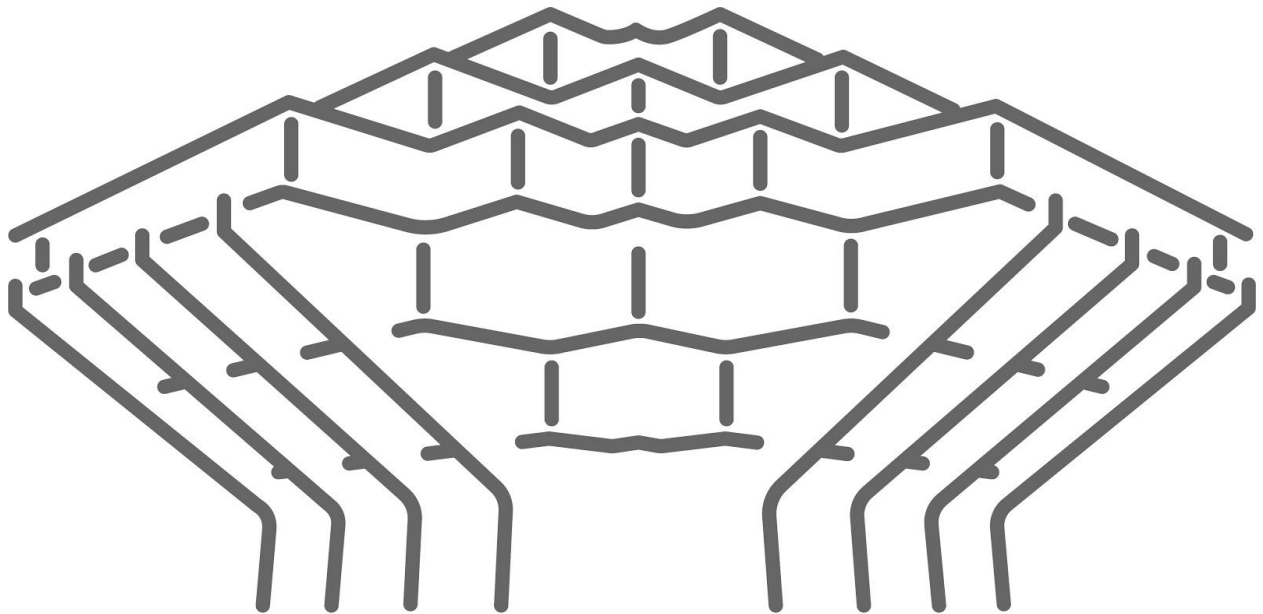


Test Cases



YouSeeSD

Project Manager
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Priority

1	Must have
2	Should have
3	Could have

Status

N	Not started
IP	In progress
D	Implemented & Tested

UI Elements

"foobar"	a button with the text foobar on it
screen	a full window of UI elements
button	a small but distinct element that executes an action on tap
card	small, contained, surfaces displaying content on a topic
menu	a temporary surface that contains options
dialog	type of modal window that appears in front of current content to display critical information or ask for a decision

sheet	supplementary surface containing information / additional UI elements that slides over / laid over the main screen
textfield	a box which allows users to input text into the UI


Glossary

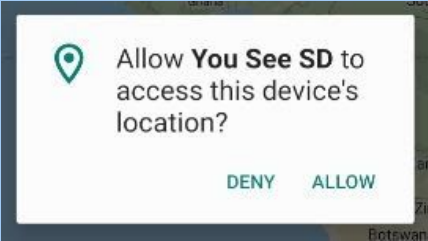
UCSD / campus	University of California, San Diego
tour	a journey across campus from location to location
location	a place on campus visitable during a tour
feedback	a binary rating (thumbs up or thumbs down) of the user's tour experience
question	a sentence expressed in a manner to learn more about UCSD
device	a piece of hardware that runs Android OS
application	YouSeeSD
save	store a tour and allow users to access it in the future
delete	remove a saved tour from a user's device
theme	a term used to describe a collection of related locations

TC 1.1 Register a Device


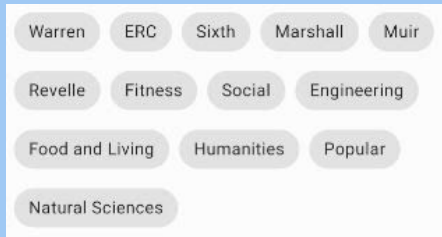
Priority	1
Status	D
Description	This test case outlines the ability for the user to authorize the application to register their device in order to use the application.
User Goal	The user wishes to use the application.
Desired Outcome	The user is able to authorize the application to register their device and use the application.
Actor	The user of the application.
Dependent Test Cases	None
Requirements	SR - AA1
Pre-conditions	<ul style="list-style-type: none">• The user has downloaded the application onto their device• The user has not registered their device.
Post-conditions	<ul style="list-style-type: none">• The user has registered their device• The user is able to proceed and use the application.
Trigger	The user wants to use the application.
Workflow	<ol style="list-style-type: none">1. The user shall tap the application to launch it.2. The user shall tap "GET STARTED" on the introduction screen.3. The system shall display the home screen if logged in successfully.
Alternate Workflow	None.

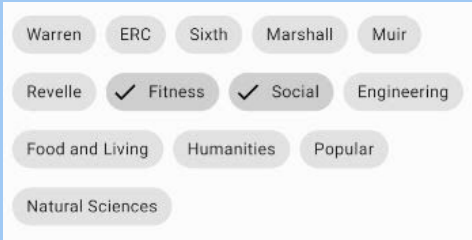


TC 1.2 Grant Location Permission

Priority	1
Status	D
Description	This test case examines the ability for the user to grant the application permission to use their location.
User Goal	The user wishes to use the application.
Desired Outcome	The user grants the application permission to access their location.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 2.1 Generate a Tour
Requirements	SR - AA3
Pre-conditions	<ul style="list-style-type: none"> • The user has registered their device. • The user has not authorized the application to use their location. • The user has created a tour.
Post-conditions	<ul style="list-style-type: none"> • The user has allowed the device to access their location.
Trigger	<ul style="list-style-type: none"> • The user wants to begin a tour they have generated.
Workflow	<ol style="list-style-type: none"> 1. The user shall generate a tour by following the steps in TC 2.1 Generate a Tour. 2. The user shall tap on <i>The Extra Healthy Tour</i>. 3. The system shall display <i>RIMAC, Marshall Field, Main Gym, Price Center, and Canyonview Aquatic Center</i> as the locations to be visited in this tour. 4. The user shall tap on . 5. The system shall display a window stating, <i>Allow YouSeeSD to access location services?</i> with buttons to "Allow" or "Deny":



	<div data-bbox="824 210 1248 449"></div> <div data-bbox="607 459 1398 575"><ul style="list-style-type: none">6. The user shall tap "Allow".7. The system shall close the dialog, proceeding to the tour that the user had selected in workflow step 1.</div>
Alternate Workflow	None.

TC 2.1 Generate a Tour



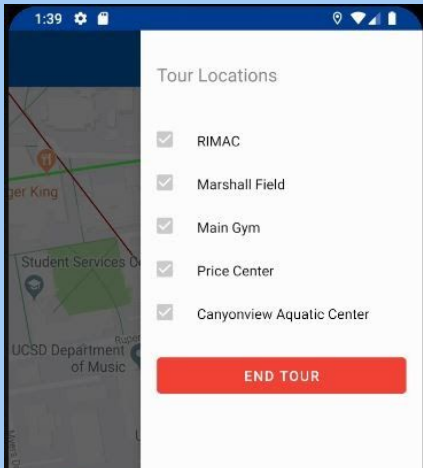
Priority	1
Status	D
Description	This test case outlines the ability for the user to generate a tour related to the themes they wish to visit.
User Goal	The user wishes to generate a tour of the campus.
Desired Outcome	The user's desired tour is generated and ready for use.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device
Requirements	SR - PT1
Pre-conditions	<ul style="list-style-type: none"> The user is on the home screen.
Post-conditions	<ul style="list-style-type: none"> The user's desired tour is generated and ready to be started..
Trigger	<ul style="list-style-type: none"> The user wants to generate a tour.
Workflow	<ol style="list-style-type: none"> The user shall tap the  button. The system shall display a drop down menu with all possible themes: <div data-bbox="654 1285 1092 1520">  </div> The user shall tap the "Social" and "Fitness" buttons to select those tags.

	<p>5. The system shall indicate those tags are selected by displaying check marks inside those tag buttons:</p> <div data-bbox="657 289 1125 527"></div> <p>6. The user shall tap on the  button to confirm their selection.</p> <p>7. The system shall display a card labelled <i>The Extra Healthy Tour</i> on the application home screen and take the user to the home screen.</p>
Alternate Workflow	<p><u>Alternative Workflow #1</u></p> <ol style="list-style-type: none">1. Perform main workflow steps 1-2.2. The user shall tap the  button from the android navigation bar.3. The system shall return to the home screen.

TC 2.2 Start a Tour

Priority	1
Status	D
Description	The user wants to start a tour.
User Goal	The user wants to go on a tour.
Desired Outcome	The user is able to start the tour they want to go on.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 2.1 Generate a Tour
Requirements	SR - PT2
Pre-conditions	<ul style="list-style-type: none"> The user has generated <i>Tour Two</i>. The user is on the home screen
Post-conditions	<ul style="list-style-type: none"> The user has started the tour.
Trigger	<ul style="list-style-type: none"> The user wants to start a tour.
Workflow	<ol style="list-style-type: none"> The user shall tap on one of the tours displayed on their home screen. The system shall display <i>RIMAC, Marshall Field, Main Gym, Price Center, and Canyonview Aquatic Center</i> as the locations to be visited in this tour. The user shall tap on  to begin the tour. The system shall display a map with the user's location and a bottom sheet containing information about the first destination.
Alternate Workflow	<u>Alternative Workflow #1</u> <ol style="list-style-type: none"> Perform main workflow steps 1-2. The user shall tap the  button from the android navigation bar. The system shall return to the home screen.

TC 3.1 Skip a Location

Priority	2
Status	D
Description	This test case outlines the ability for the user to skip undesired locations in the tour and proceed to the following location.
User Goal	The user wants to skip the next location on the tour.
Desired Outcome	The tour directs the user to the location after the next planned location.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 1.2 Grant Location Permission TC 2.1 Generate a Tour TC 2.2 Start a Tour
Requirements	SR - OT1
Pre-conditions	<ul style="list-style-type: none">• The user has started a tour.
Post-conditions	<ul style="list-style-type: none">• The tour skips the next location and continues the tour.
Trigger	<ul style="list-style-type: none">• The user does not want to go to the location they are currently directed to.
Workflow	<div><div></div><div><ol style="list-style-type: none">1. The user shall tap on the  button.2. The system shall display the locations that are on our tour.</div><div></div></div>

	<ol style="list-style-type: none">3. The user shall tap on the box and check the box next to the RIMAC location.4. The system shall mark RIMAC as visited, showing the time passed since visiting it below the name.
Alternate Workflow	None.



TC 3.2 Show Location Info

Priority	2
Status	D
Description	This test case outlines the ability for the user to look at information about the current location on their tour.
User Goal	The user wishes to view information about their current location on the tour.
Desired Outcome	The app shows the user information about their current location.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 1.2 Grant Location Permission TC 2.1 Generate a Tour TC 2.2 Start a Tour
Requirements	SR - OT3
Pre-conditions	<ul style="list-style-type: none">• The user has started the tour as in TC 2.2.
Post-conditions	<ul style="list-style-type: none">• The user is viewing information about the current location.
Trigger	<ul style="list-style-type: none">• The user arrives at the location and wants to learn more about it.
Workflow	<ol style="list-style-type: none">1. The user shall swipe up from the bar at the bottom of the tour screen.2. The system shall display a description and an image of RIMAC and the year it was built in (1955).
Alternate Workflow	None.

TC 3.3 Depart from a Location

Priority	2
Status	D
Description	This test case outlines the ability for the user to continue on to the next location after visiting the current one.
User Goal	The user wishes to continue to the next location on the tour.
Desired Outcome	The user no longer sees information about the location and the path to the next location is displayed.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 1.2 Grant Location Permission TC 2.1 Generate a Tour TC 2.2 Start a Tour
Requirements	SR - OT2
Pre-conditions	<ul style="list-style-type: none">• The user is in the middle of a tour.• The user is on the tour screen.
Post-conditions	<ul style="list-style-type: none">• The current location in the tour is marked as visited.• The application displays how long ago the user was at the location.• The user is on the tour screen.
Trigger	<ul style="list-style-type: none">• The user wants to proceed to the next location in the tour.
Workflow	<ol style="list-style-type: none">1. The user shall tap on the "Mark Visited" button.2. The system shall display the time of how long it's been since the user was at the location instead of displaying the distance it is away from the user.
Alternate Workflow	None.

TC 3.4 End Tour

Priority	1
Status	D
Description	This test case outlines the ability for the user to end their tour.
User Goal	The user wishes to end their tour.
Desired Outcome	The user ends their tour.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 1.2 Grant Location Permission TC 2.1 Generate a Tour TC 2.2 Start a Tour
Requirements	SR - OT5
Pre-conditions	<ul style="list-style-type: none"> The user has started a tour.
Post-conditions	<ul style="list-style-type: none"> The tour has been ended.
Trigger	<ul style="list-style-type: none"> The user wants to end their current tour.
Workflow	<ol style="list-style-type: none"> The user shall tap the  button. The system will inflate a side sheet which contains the tour location itinerary and a "END TOUR" button: <div data-bbox="652 1312 1026 1772" data-label="Image"> </div> The user shall tap the  button.

	<ol style="list-style-type: none"> 4. The system shall display a dialog asking the user <i>Finish the Tour?</i> with buttons to "NOT YET" or "YES, I AM DONE". 5. The user shall tap "YES, I AM DONE". 6. The system shall end the current tour and return the user to the home screen.
Alternate Workflow	<u>Alternative Workflow #1</u> <ol style="list-style-type: none"> 1. Perform main workflow steps 1-4. 2. The user shall tap "NOT YET". 3. The system shall dismiss the dialog and return the user to their tour, with the side sheet inflated as before.

TC 4.1 Tour Completion Feedback

Priority	2
Status	N
Description	This use case outlines the ability for the user to provide feedback on their tour.
User Goal	The user wishes to provide feedback on their tour.
Desired Outcome	The user provides feedback on their tour.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device TC 1.2 Grant Location Permission TC 2.2 Start a Tour Optional: TC 3.5 End Tour
Requirements	SR - IF4
Pre-conditions	<ul style="list-style-type: none"> The user has just completed a tour.
Post-conditions	<ul style="list-style-type: none"> The user has provided feedback on their tour.
Trigger	<ul style="list-style-type: none"> The user wants to provide feedback on their tour.
Workflow	<ol style="list-style-type: none"> The system shall display a window entitled "Rate Your Tour" with a "👍" and "👎" button. The user shall either tap the "👍" or the "👎". The system shall return the user to the home screen.
Alternate Workflow	<u>Alternative Workflow #1</u> <ol style="list-style-type: none"> The user shall tap the "X" in the top right corner. The system shall return the user to the home screen.


TC 4.2 Ask Questions

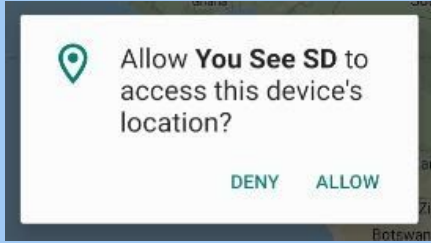
Priority	2
Status	N
Description	This test case outlines the ability for the user to ask questions that they may have about the campus.
User Goal	The user wishes to have a question answered.
Desired Outcome	The user's question is answered or reasonably addressed.
Actor	The user of the application.
Dependent Test Cases	TC 1.1 Register a Device
Requirements	SR - IF2
Pre-conditions	<ul style="list-style-type: none">• The user is on the home screen.
Post-conditions	<ul style="list-style-type: none">• The user's question is answered or reasonably addressed.• The user is on the home screen.
Trigger	<ul style="list-style-type: none">• The user wants to ask a question.
Workflow	<ol style="list-style-type: none">1. The user shall tap on "Ask a Question".2. The system shall display a box for the user to enter their question.3. The user shall type in the question they have.4. The user shall tap on "Submit".5. The system shall respond with the best answer for their question.
Alternate Workflow	None.

AT 1.1 Register a Device



Description	As a user, I want to use register in order to the application.
Priority	1
Status	D
Workflow	<ol style="list-style-type: none">1. The user shall tap the application to launch it.2. The user shall tap "GET STARTED" on the introduction screen.
Expected Results	The system shall display the home screen if logged in successfully.
Actual Results	
Associated User Stories	1-18



AT 1.2 Grant Location Permission

Description	As a user, I wish to grant the application permission to use my location in order to start a tour.
Priority	1
Status	D
Workflow	<ol style="list-style-type: none">1. The user shall generate a tour by following the steps in AT 2.1 Generate a Tour.2. The user shall tap on <i>The Artsy Tour</i>.3. The system shall display <i>Center Hall, Student Services Center, Visual Arts Facility, Conrad Prebys Music Center, and Pepper Canyon Hall</i> as the locations to be visited in this tour.4. The user shall tap on .5. The system shall display a window stating, <i>Allow YouSeeSD to access location services?</i> with buttons to "Allow" or "Deny":


	 <p>6. The user shall tap "Allow".</p>
Expected Results	The system shall close the dialog, proceeding to the tour that the user had selected in workflow step 1.
Actual Results	
Associated User Stories	1-18


AT 2.1 Generate a Tour

Description	As a user, I wish to generate a tour related to the themes I wish to visit.
Priority	1
Status	D
Workflow	<ol style="list-style-type: none"> The user shall be on the home screen. The user shall tap the  button. The system shall display a drop down menu with all possible themes:  The user shall tap the "Sixth", "Social", and "Popular" buttons to select those tags.


	<p>6. The system shall indicate those tags are selected by displaying check marks inside those tag buttons:</p>  <p>7. The user shall tap on the  button to confirm their selection.</p>
Expected Outcome	8. The system shall display a card labelled <i>The ArtsyTour</i> on the application home screen and take the user to the home screen.
Actual Outcome	
Associated User Stories	1,3,4,5,8,10,12,13,14,17

AT 2.1.1 Create a Tour with Fitness, Social, and Revelle Themes

Priority	1
Status	D
Description	All registered users should be able to create a tour with the themes "Fitness", "Social", and "Revelle".
Workflow	<ol style="list-style-type: none"> 1. The user shall tap the circular button at the bottom of the screen with a "+" at the center. 2. The user shall select the "Fitness", "Social", and "Revelle" themes. 3. The user shall confirm that they are done selecting their theme by pressing the  button in the top right corner of the screen. 4. The system shall display a screen titled "The Extra Healthy Tour".


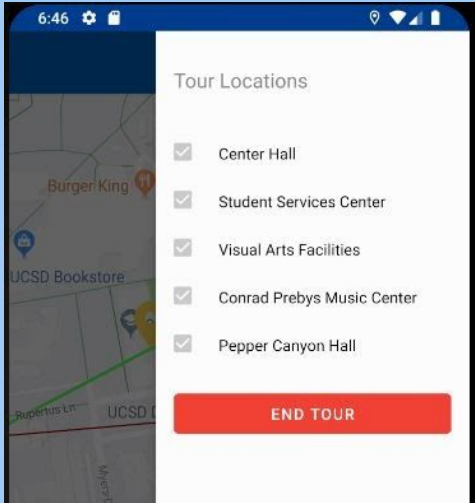
	<ol style="list-style-type: none"> The user shall click on the word "Tour Summary" in the center of the screen. The system shall display a list of locations "RIMAC", "Marshall Field", "Main Gym", "Price Center", and "Canyonview Aquatic Center" on the tour. The user shall click the yellow  in the bottom right corner of the screen. The system shall display a map with the user's current location as well as a path to the first location on the tour, Rimac.
Expected Result	<ol style="list-style-type: none"> The system shall display the tour as described in the workflow. The system shall display a map after with the user's current current location with directions to RIMAC as described in the workflow.
Actual Result	
Associated User Stories	2, 10, 11, 12, 14, 16, 17

AT 2.2 Start a Tour

Description	The user wants to start a tour.
Priority	1
Status	D
Desired Outcome	The user is able to start the tour they want to go on.
Workflow	<ol style="list-style-type: none"> The user shall have created a tour. The user shall tap on one of the tours displayed on their home screen. The system shall display <i>Center Hall, Student Services Center, Visual Arts Facility, Conrad Prebys Music Center, and Pepper Canyon Hall</i> as the locations to be visited in this tour. The user shall tap on  to begin the tour.

Expected Outcome	The system shall display a map with the user's location and a bottom sheet containing information about the first destination.
Actual Outcome	
Associated User Stories	1,3,4,5,8,10,12,13,14,17

AT 3.1 Skip a Location

Description	As a user, I want to skip undesired locations in the tour and proceed to the following location.
Priority	2
Status	D
Workflow	<ol style="list-style-type: none"> 1. The user shall be on <i>The Artsy Tour</i>. 2. The user shall tap on the  button. 3. The system shall display the locations that are on our tour.  <ol style="list-style-type: none"> 4. The user shall tap on the box and check the box next to the Center Hall location.
Expected Outcome	The system shall mark Center Hall as visited, showing the time passed since visiting it below the name.
Actual Outcome	

Associated User Stories	2,6,13
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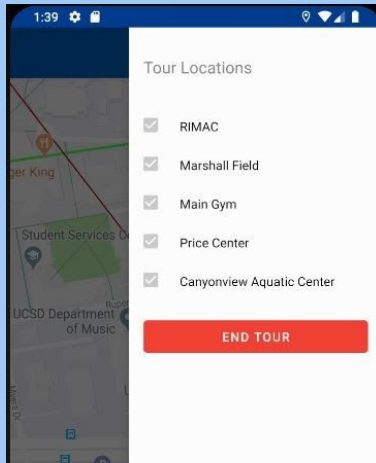

AT 3.2 Show Location Info

Description	As a user, I want to look at information about the current location on their tour.
Priority	2
Status	D
Workflow	<ol style="list-style-type: none"> 1. The user shall have started <i>The Artsy Tour</i>. 2. The user shall swipe up from the bar at the bottom of the tour screen.
Expected Outcome	The system shall display a description and an image of Center Hall and the year it was built in (1995).
Actual Outcome	
Associated User Stories	1,3,9,10,11,12,15,16

AT 3.3 Depart from a Location

Description	As a user, I wish to continue on to the next location after visiting the current one.
Priority	2
Status	D
Workflow	<ol style="list-style-type: none"> 1. The user shall have started <i>The Artsy Tour</i> 2. The user shall tap on the "Mark Visited" button.
Expected Outcome	The system shall display the time of how long it's been since the user was at the location instead of displaying the distance it is away from the user.
Actual Outcome	
Associated User Stories	4,6

AT 3.4 End Tour

Description	As a user, I want to be able to end my tours whenever I want.
Priority	1
Status	D
Workflow	<ol style="list-style-type: none"> 1. The user shall be on <i>The Artsy Tour</i> 2. The user shall tap the  button. 3. The system will inflate a side sheet which contains the tour location itinerary and a "END TOUR" button: <div data-bbox="654 678 1027 1138" data-label="Image">  </div> 4. The user shall tap the  button. 5. The system shall display a dialog asking the user <i>Finish the Tour?</i> with buttons to "NOT YET" or "YES, I AM DONE". 6. The user shall tap "YES, I AM DONE".
Expected Outcome	The system shall end the current tour and return the user to the home screen.
Actual Outcome	
Associated User Stories	2,4,6,17

AT 4.1 Tour Completion Feedback

Description	As a user, I want to provide feedback on tours I have taken.
Priority	2
Status	N
Workflow	<ol style="list-style-type: none">1. The system shall display a window entitled "Rate Your Tour" with a "👍" and "👎" button.2. The user shall either tap the "👍" or the "👎".
Expected Outcome	The system shall return the user to the home screen.
Actual Outcome	
Associated User Stories	2,4,8,13

AT 4.2 Ask Questions

Description	As a user I want to ask questions that they may have about the campus.
Priority	2
Status	N
Workflow	<ol style="list-style-type: none">1. The user shall tap on "Ask a Question".2. The system shall display a box for the user to enter their question.3. The user shall type in the question they have.4. The user shall tap on "Submit".
Expected Outcome	The system shall respond with the best answer for their question.
Actual Outcome	
Associated User Stories	2,4,8,13

AT 4.3 View Temperature and Toggle Units

Priority	2
Status	D
Description	All registered users should be able to view the temperature at UCSD and toggle the units of measure from Fahrenheit to Celsius and vice versa.
Workflow	<ol style="list-style-type: none">1. The user shall open the application.2. The user shall click the temperature reading in the bottom right corner of the screen.3. The system shall toggle the units of measure for the temperature from Fahrenheit to Celsius.4. The user shall click the temperature reading in the bottom right corner of the screen. The system shall toggle the units of measure for the temperature from Fahrenheit to Celsius.
Expected Result	<ol style="list-style-type: none">1. The units will toggle from Fahrenheit to Celsius.2. The units will toggle from Celsius to Fahrenheit.
Actual Result	
Associated User Stories	18