

Screen Sketches

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ISU View

List of Non-Functional Requirements

- GPS is accurate within 20 feet
- Routes are processed quickly
- Spring Boot as backend

List of Tables

Users

- Name
- ID
- Classes

Bus

- Stops

Points of Interest (Links to Comments table)

- Locations
- Comments

Comments

- Poster (User's Name)
- Point of Interest location
- Text

Classes (Linked to Room table)

- Name
- Location (Room)
- Time

Room (Linked to Building table)

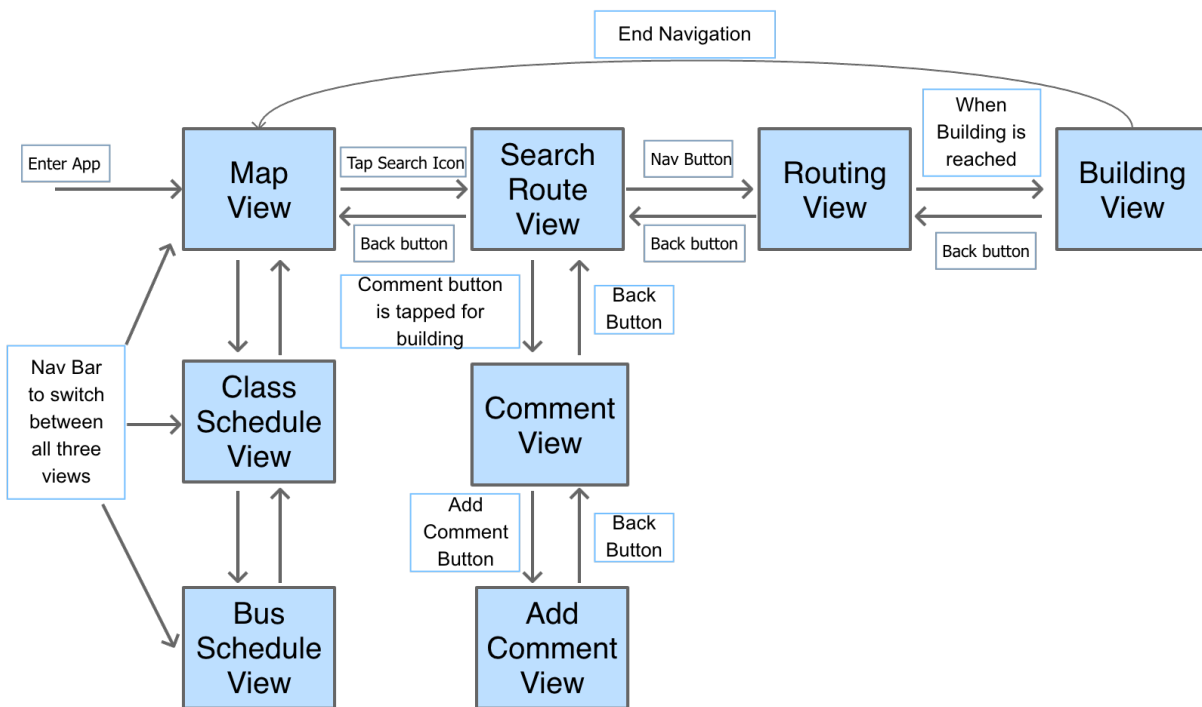
- Building

- Number
- Longitude
- Latitude

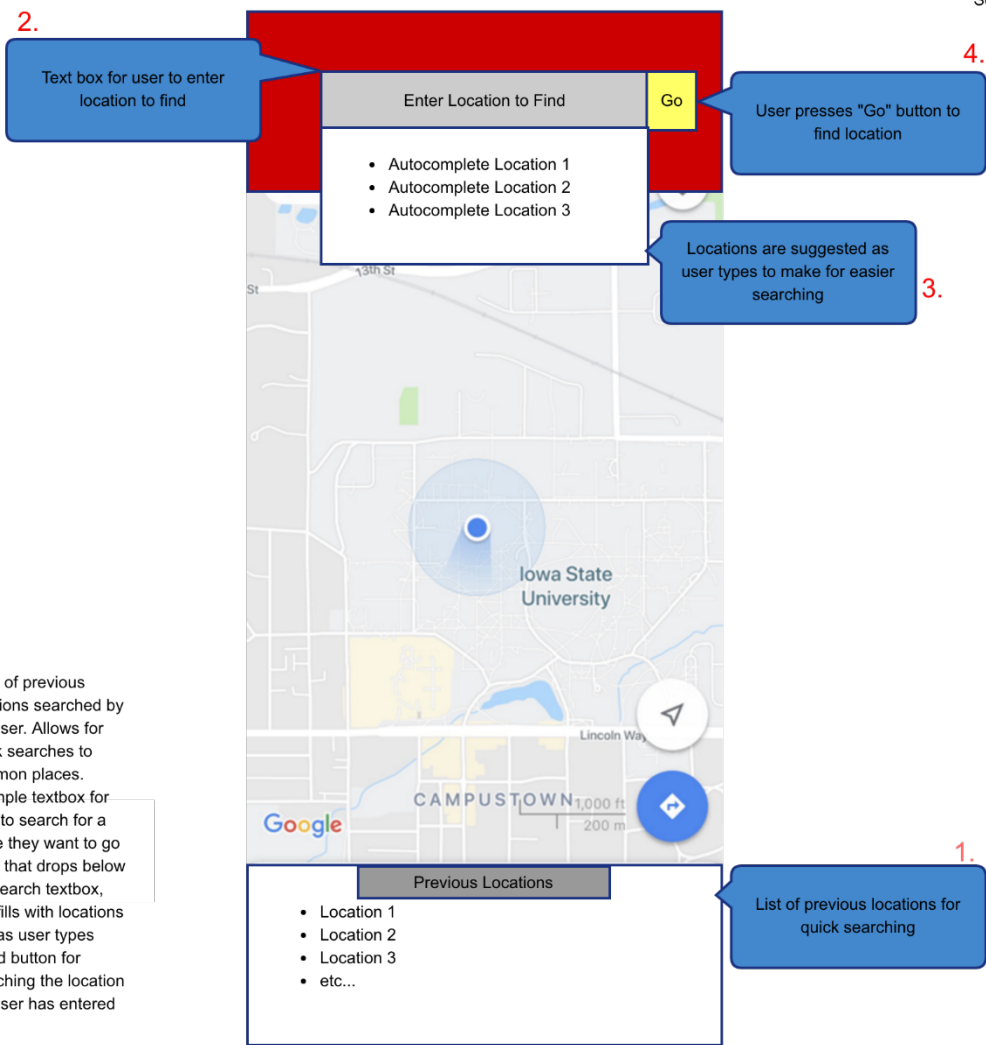
Building

- Location (Address)
- Longitude
- Latitude

Screenflow Diagram:



Screen Sketches:



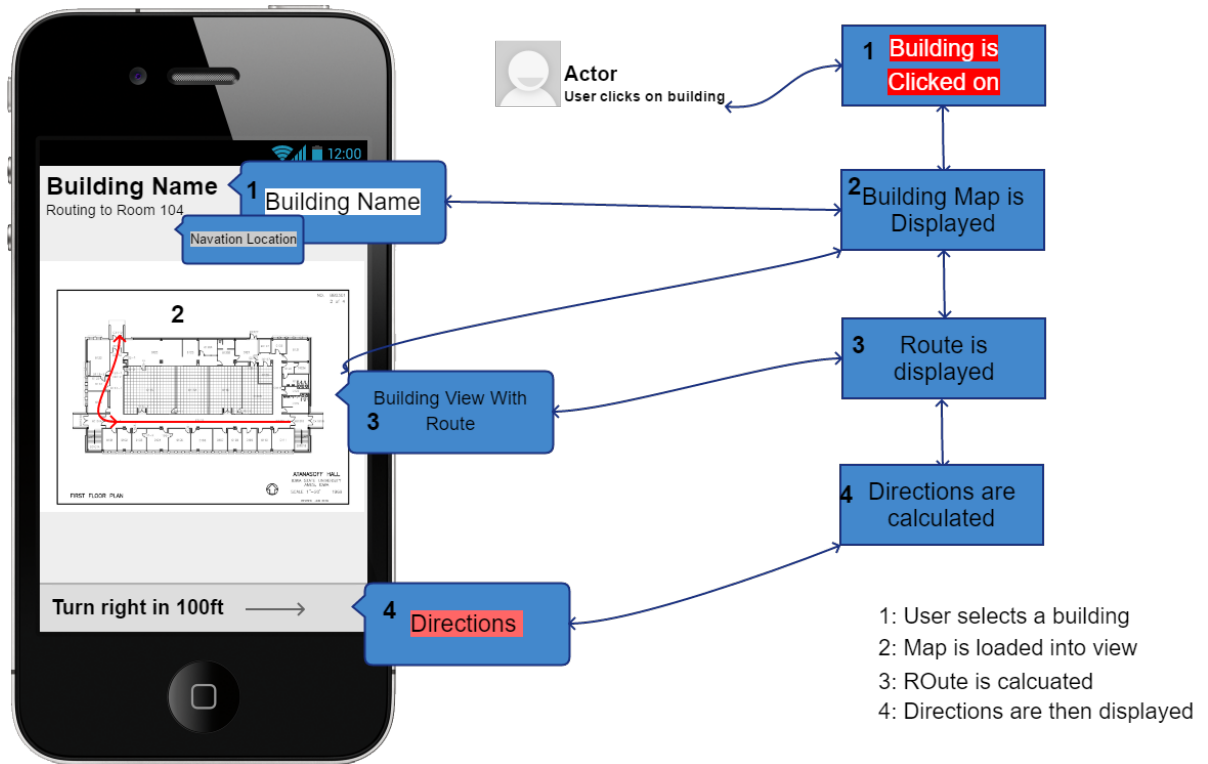
Select Route View Screen

This screen is what the user will see as the search for a location. Each number represents an action the user can take as they search for a location

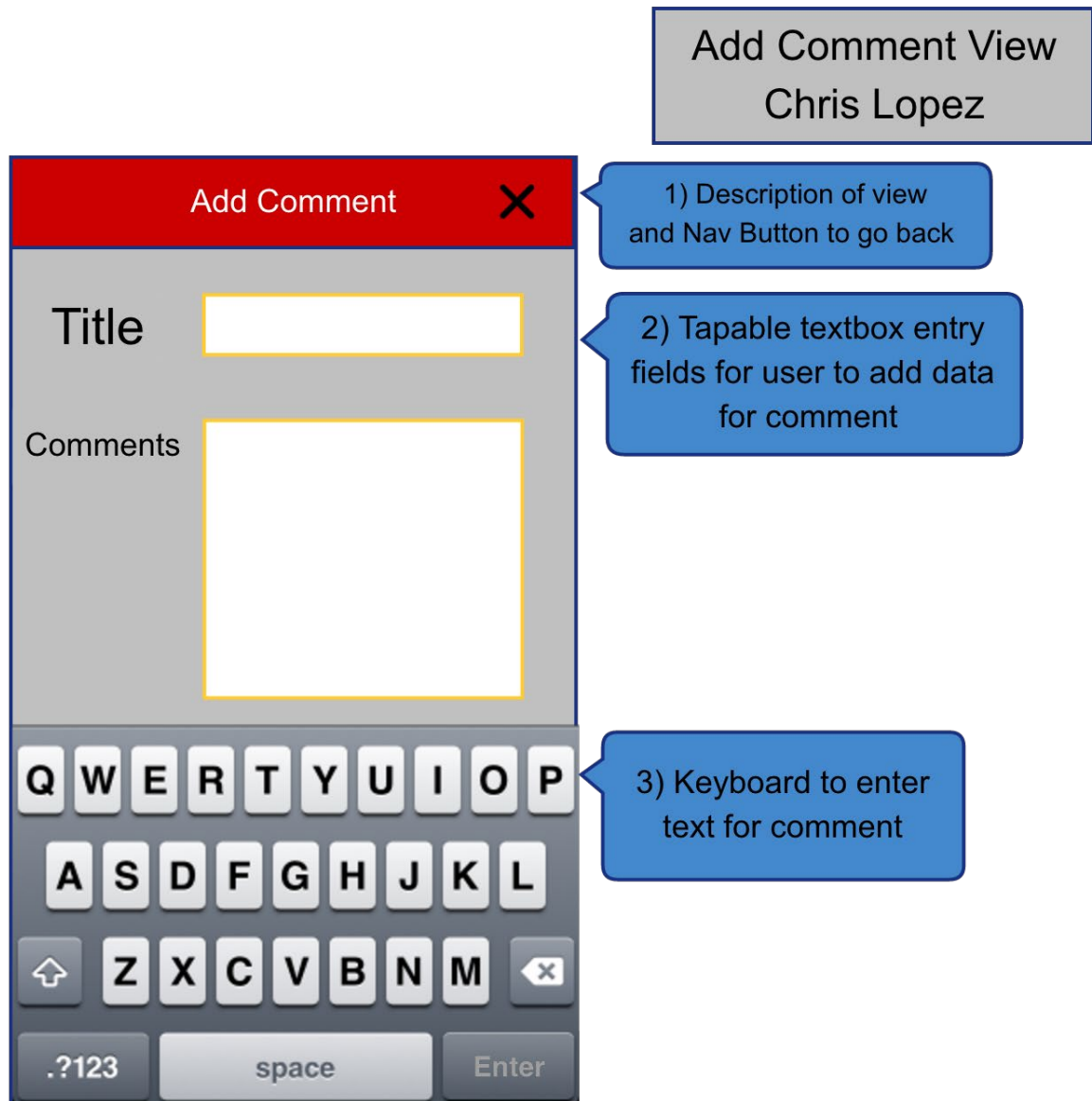
1. A list of previous locations searched by the user. Allows for quick searches to common places.
2. A simple textbox for user to search for a place they want to go
3. A list that drops below the search textbox, autofills with locations that as user types
4. A find button for searching the location the user has entered

List of previous locations for quick searching

Building View Screen Gavin

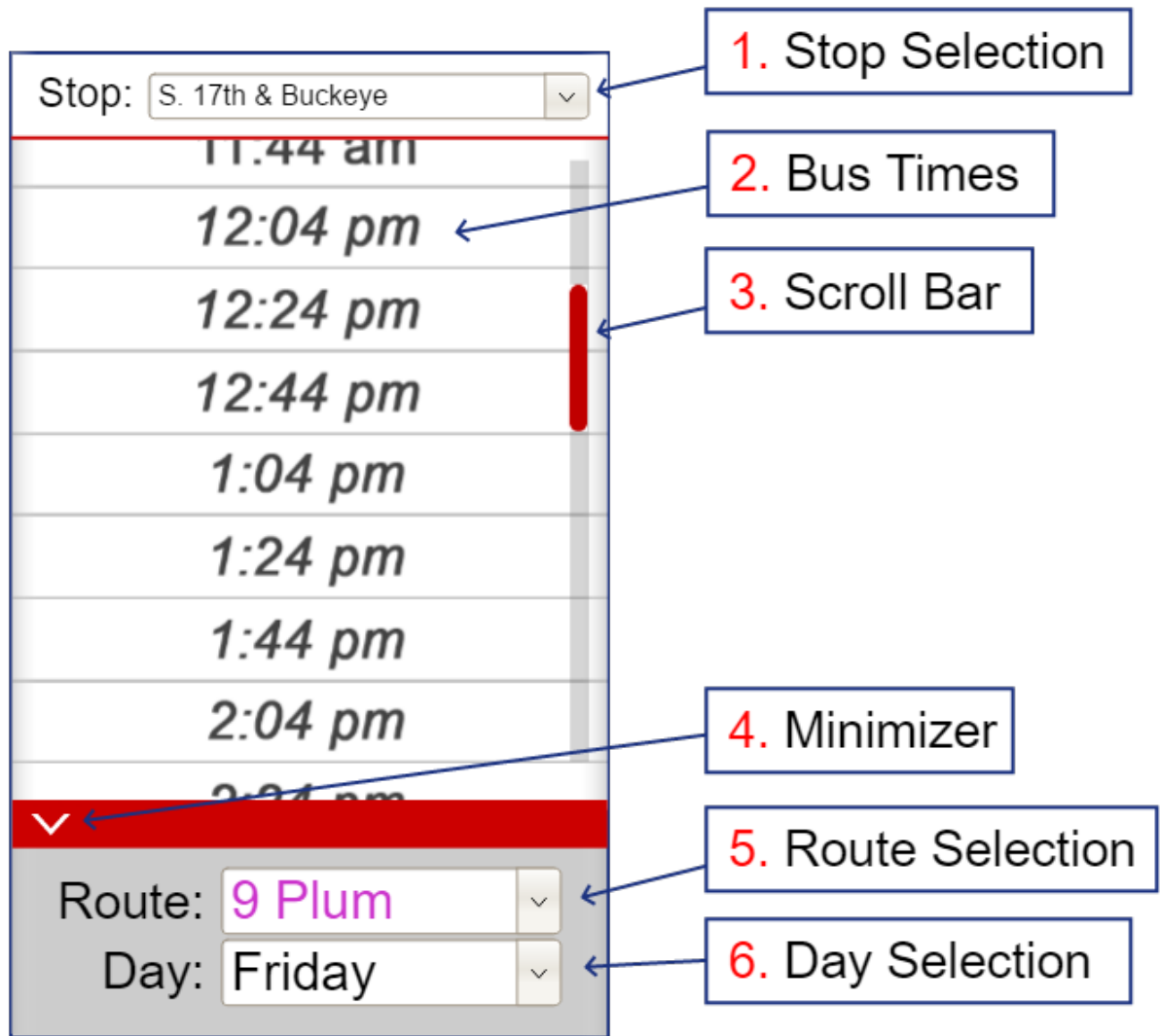


The purpose is to map the user through a building to get to the room or location.



For this view, users will be able to add content to their comment. It can display the location name you are commenting on in header (1) can make a title for their post with comments describing further what they want to add. The keyboard (3) is provided for user input.

Bus Schedule Screen: Christopher Woods



The Bus Schedule screen allows the user to view bus arrival times for a selected route, day, and stop. This bus schedule window will appear when the view is selected from the default map view. The user may select the bus route (5), the day (6), and the stop (1) to find the bus times for that spot. The bus times will be shown in a list (2), and a scroll bar (3) will appear so that the user will know how far they have scrolled down in the bus times list. The user can also optionally minimize the route and day selection area by tapping the minimize arrow (4).

Class Schedule Screen: Christopher Woods

Semester:

Time	Class 1	Class 2	Class 3
9 AM	COM S 331 FOOD SC 2432	COM S 331 FOOD SC 2432	COM S 331 FOOD SC 2432
10 AM	ENGL 314 DURHAM 0141	ENGL 314 TOWN 0230	ENGL 314 TOWN 0230
11 AM			
12 PM	COM S 321 MOL-BIO 1414	COM S 321 MOL-BIO 1414	COM S 321 MOL-BIO 1414
1 PM			
2 PM		COM S 321 PEARSON 2105	
3 PM	COM S 309 HOOVER 2055	COM S 309 HOOVER 2055	COM S 309 HOOVER 2055
4 PM		S E 339 MARSTON 2155	S E 339 MARSTON 2155
5 PM			

Get me to my next Class!

1. Semester Selection

2. Lecture

3. Lab

4. Current Time

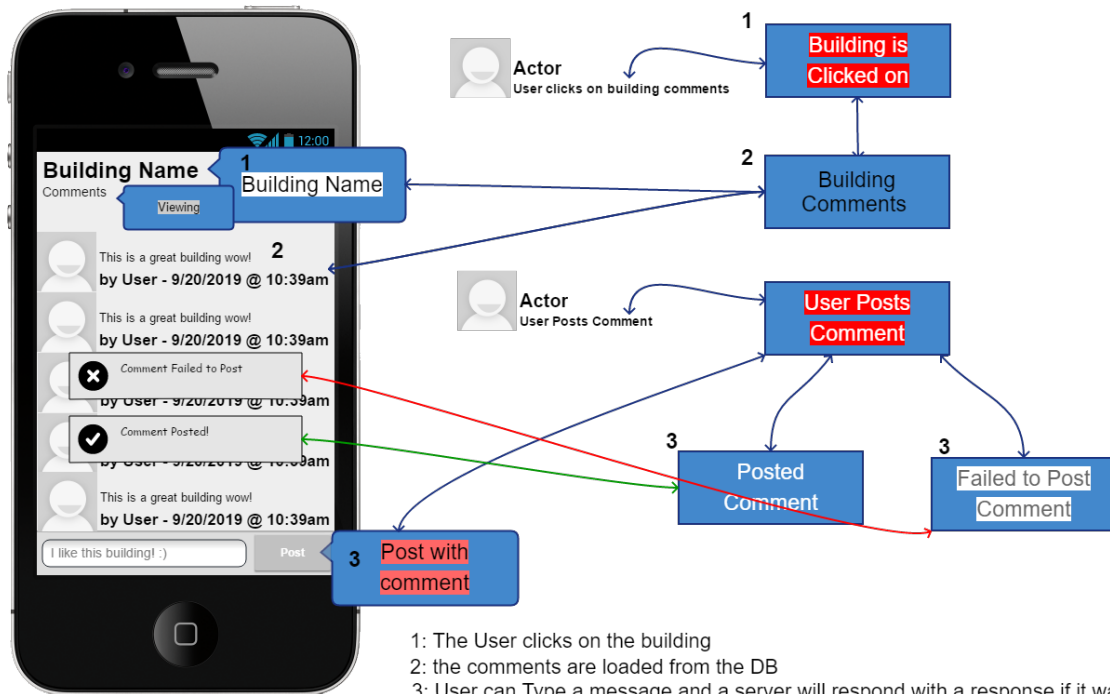
5. Recitation

6. Get to Next Class Button

The ClassSchedule screen allows the user to view their class schedule for a selected semester. This class schedule window will appear when the view is selected from the default map view. Their class schedule will appear, with lectures (2) displayed in red and labs (3) and recitations (5) appearing in gray. The user may also optionally select a different semester than the current one (1) to view a different semester's schedule. A line (4) will also appear on the current day and time so a user can quickly know how long it is until their next class. Finally, they will be able to hit the "Get me to my next Class!" button (6) which will take them to the map view and immediately route them to the classroom that their next class is in.

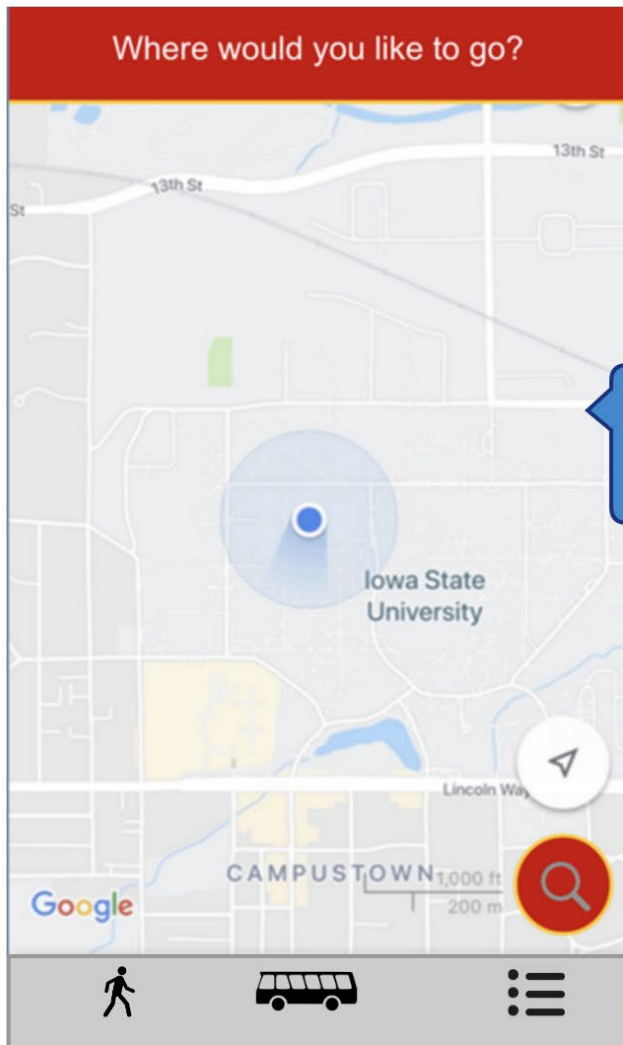
Comments View

Gavin



- 1: The User clicks on the building
- 2: the comments are loaded from the DB
- 3: User can Type a message and a server will respond with a response if it was posted or not

Shows comments for a building or anything that needs comments for. User can also posts a comment.



1) Displays
User Prompt
for screen

MapView
Chris Lopez

2) Interactive Map
view to see ISU
Campus

3) Search button sends
user to search screen
to start navigation

4) Task bar to switch
views between navigation,
bus routes, and class list

For this view users will be able to see their current location and interact with the map (2) to explore Iowa State's Campus. The Search button (3) will provide users the ability to search for locations on campus and start navigation. The bottom task bar allows switching between multiple views.

