

Yelp, for ASU Bathrooms

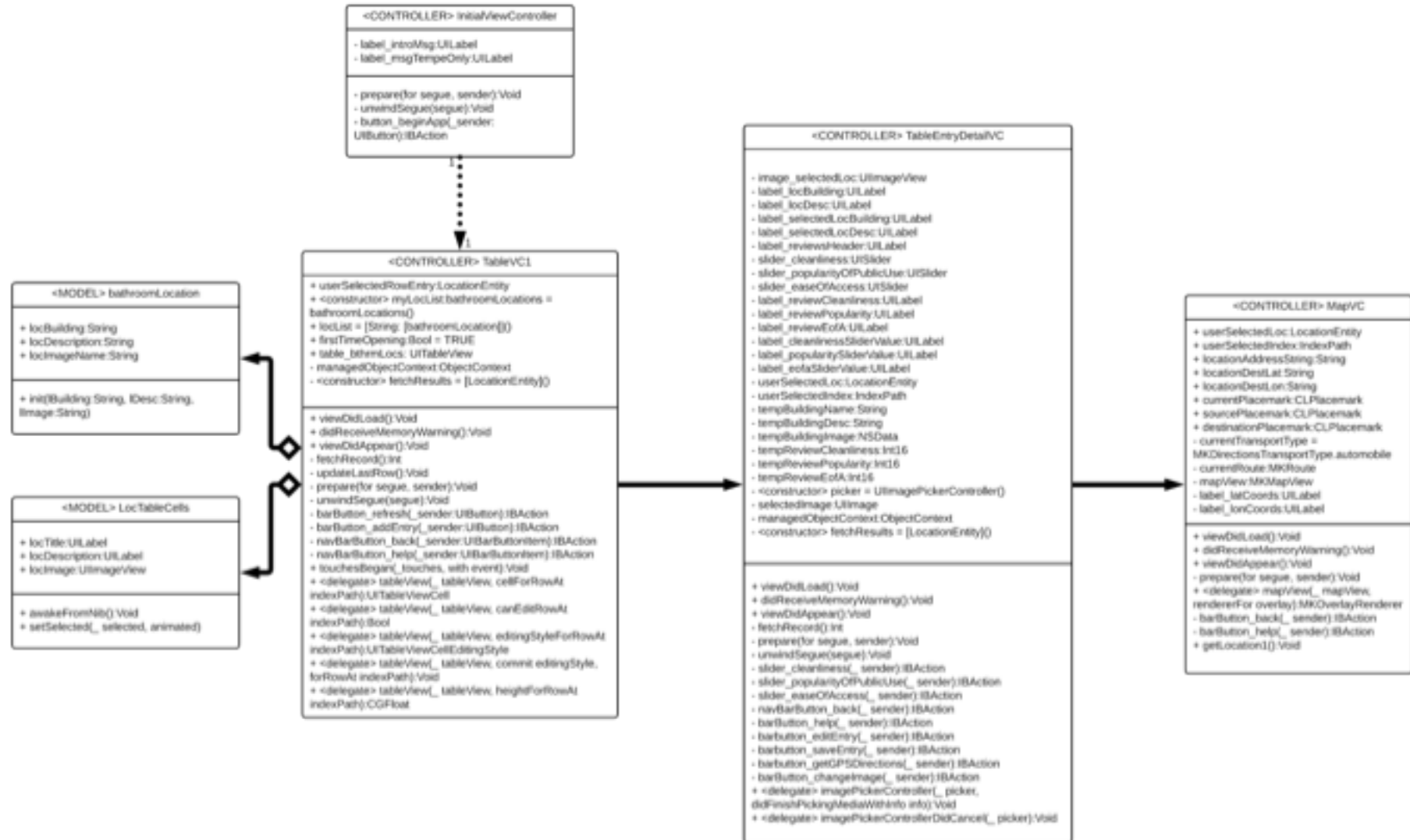
CSE335 F18

Patrick Archer

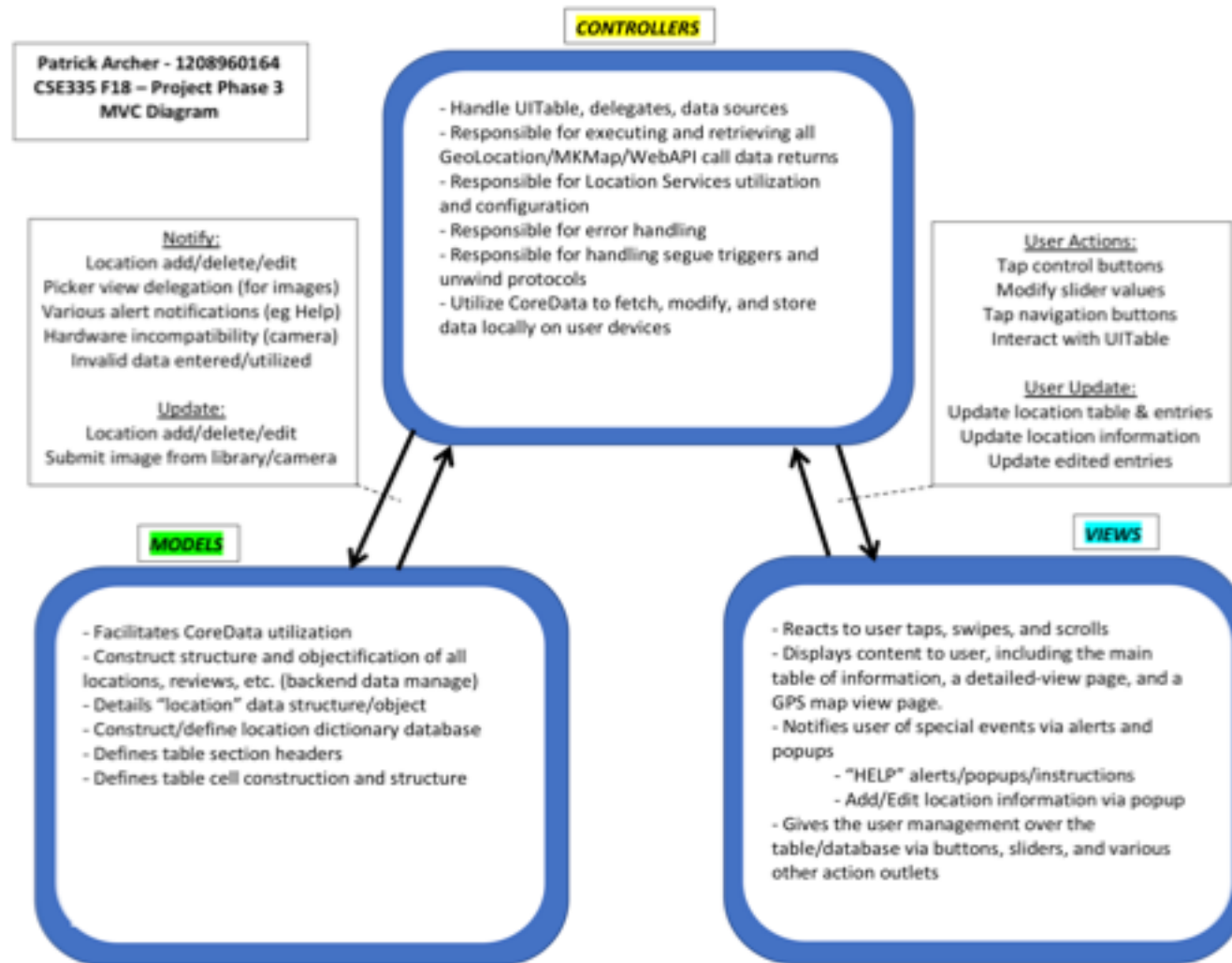
Project Idea

- Locate, review, and rate bathroom facilities around campus
- Idea came from a co-worker
 - She wanted to know which facilities were the most quiet or cleanest
- An easy-to-use and clean UI would improve user efficiency when trying to locate a bathroom that suites their needs/desires

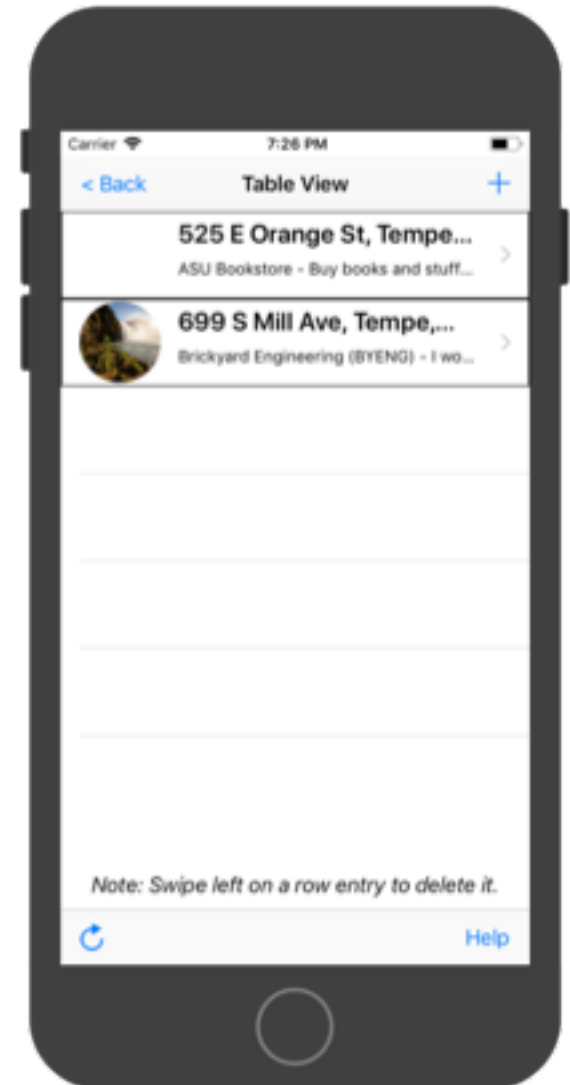
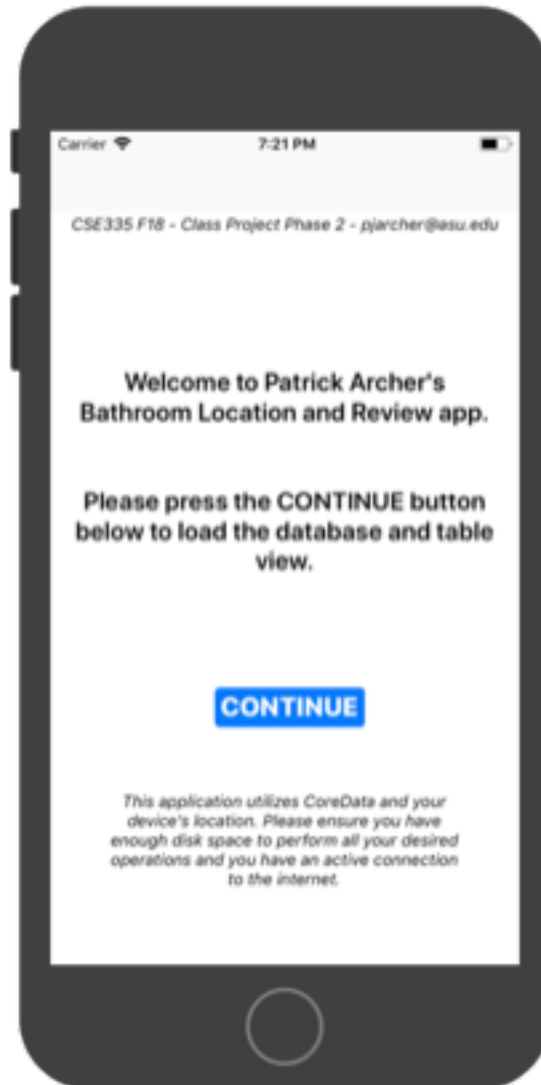
UML Class Diagram



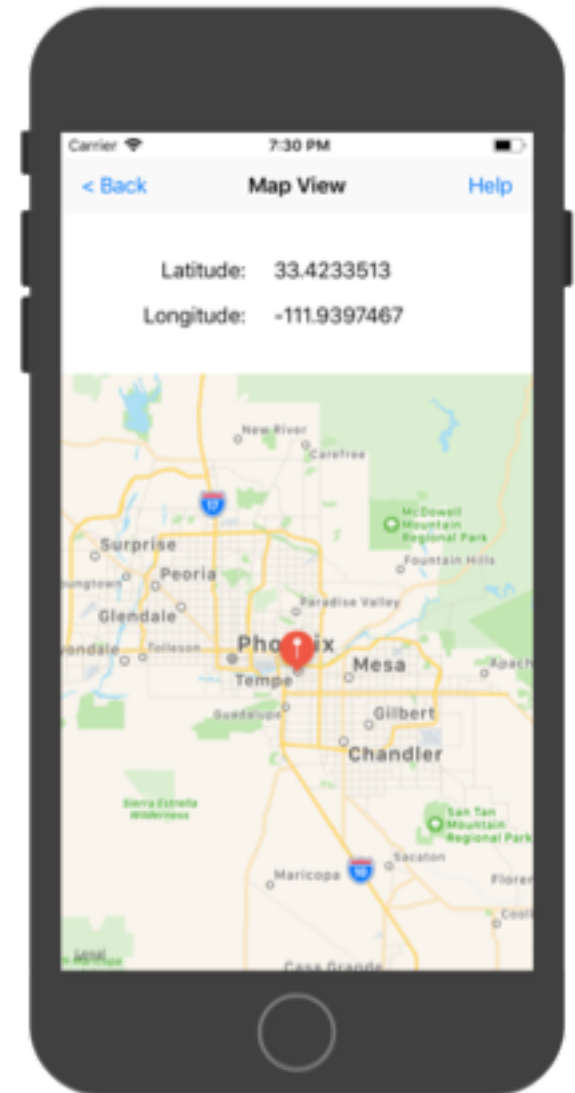
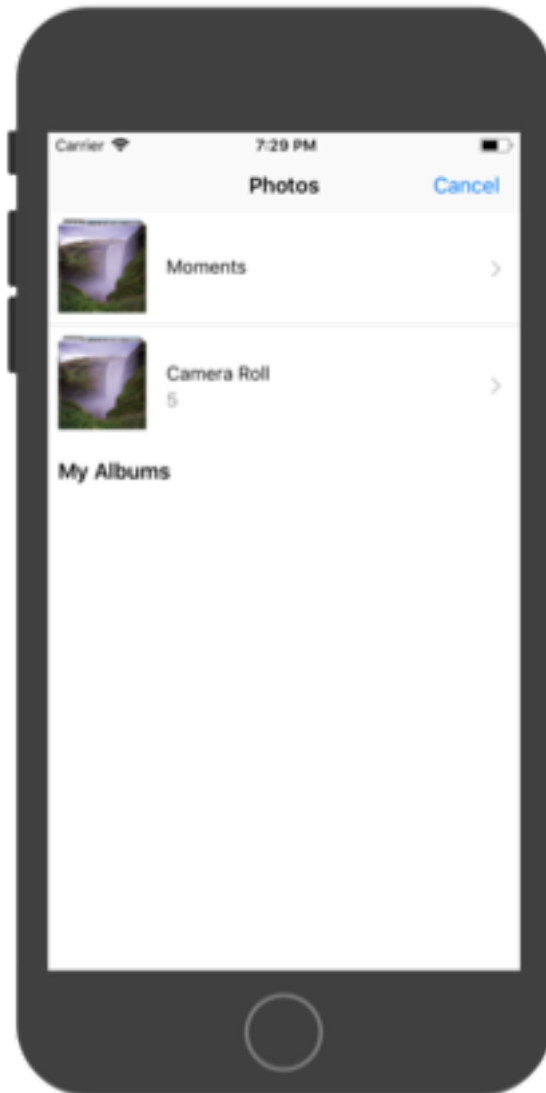
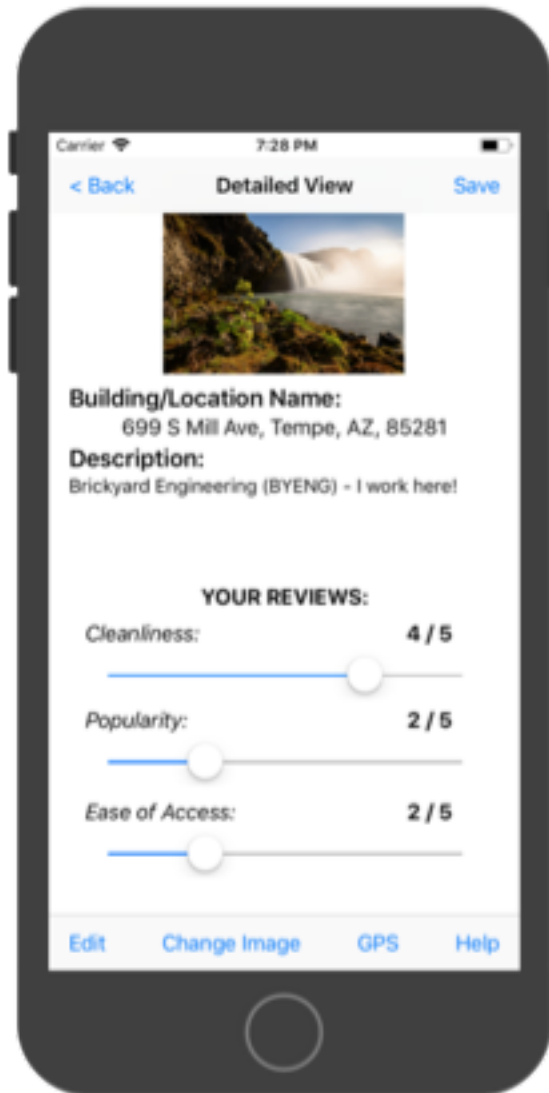
MVC Architecture Diagram



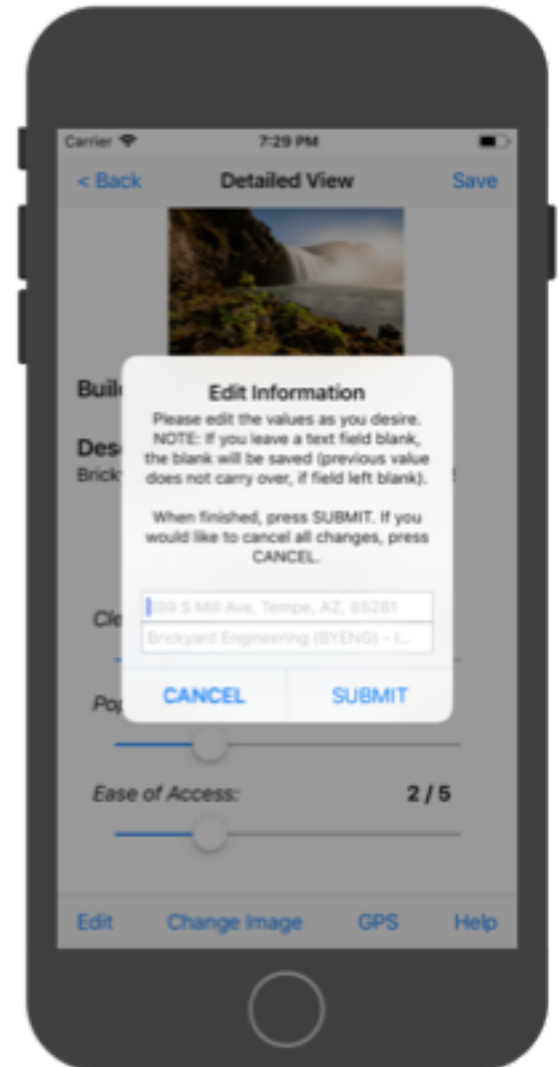
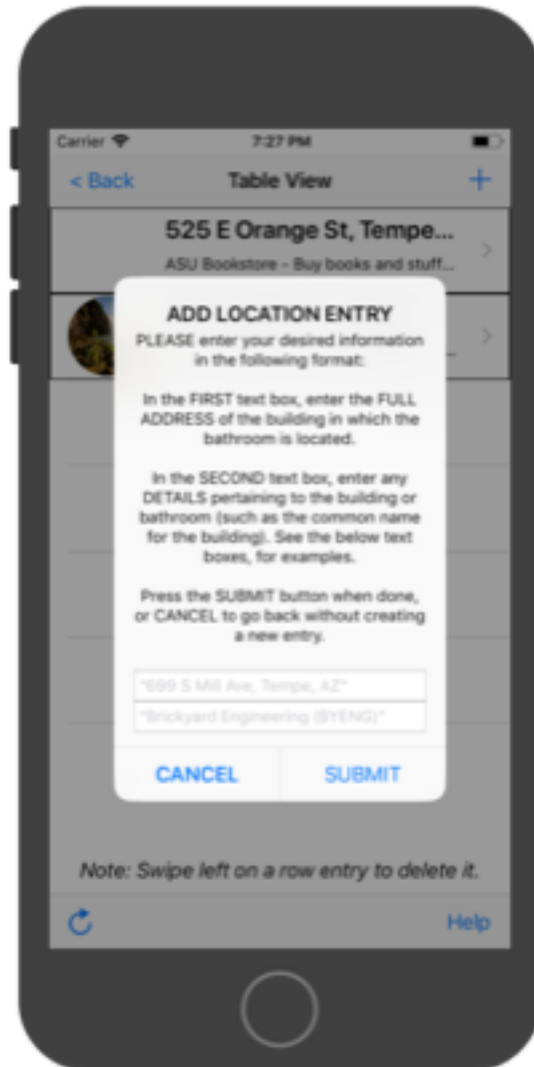
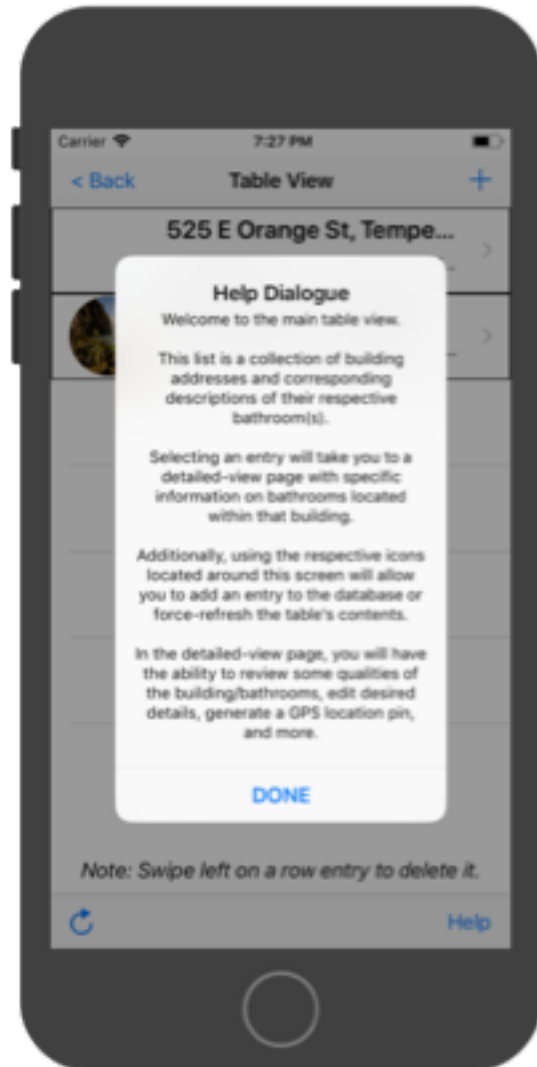
Capabilities



Capabilities



Capabilities



Limitations

- Since I utilized CoreData instead of a Cloud FireBase, the location database is local to a user's individual device.
- Only 3 review topics
 - Could certainly include more.
- GPS does not calculate a route to take the user, from their current location, to their selected bathroom destination.
 - Only displays the destination on a map with a placemark pin & displays GPS longitude/latitude coordinates.

Lessons Learned

- Procrastinating less is tough.
- Making a clean and effective UI is tough.
- Effectively implementing MVC protocol is tough.
- Efficiently passing/sharing data through different views is tough.
- Making actually-useful apps is tough.
- Catching all errors and special cases is tough.
- Translating thoughts/ideas for an apps function into real code is even tougher.

Suggestions for Future Improvements

- Allow for a little more time to work on project
 - Not that the current schedule is bad, but it seems sort of rushed at the end.
 - I would like to take necessary time to make a good app, while not having to negatively impact my time spent on other courses.