Time Capture

Dalton Meny, Computer Science
Project Advisor & Sponsor: Dr. Don Roberts, University of Evansville

UNIVERSITY OF EVANSVILLE
EST 1854
Civic Mission…Sacred Trust

Abstract

In today's world, it can be increasingly difficult to find pictures of events and places or how a certain place has changed over time. To solve this problem, this project created an iOS application that allows users to share and view photos based on their location. This allows users to see a virtual timeline of the place they are at that point in time.

Design

- Used Swift and XCode to write front end
- Used Ruby on Rails to create databases and APIs
- Front and back end communicate through a web server
- Used AVFoundation Framework to create camera for application
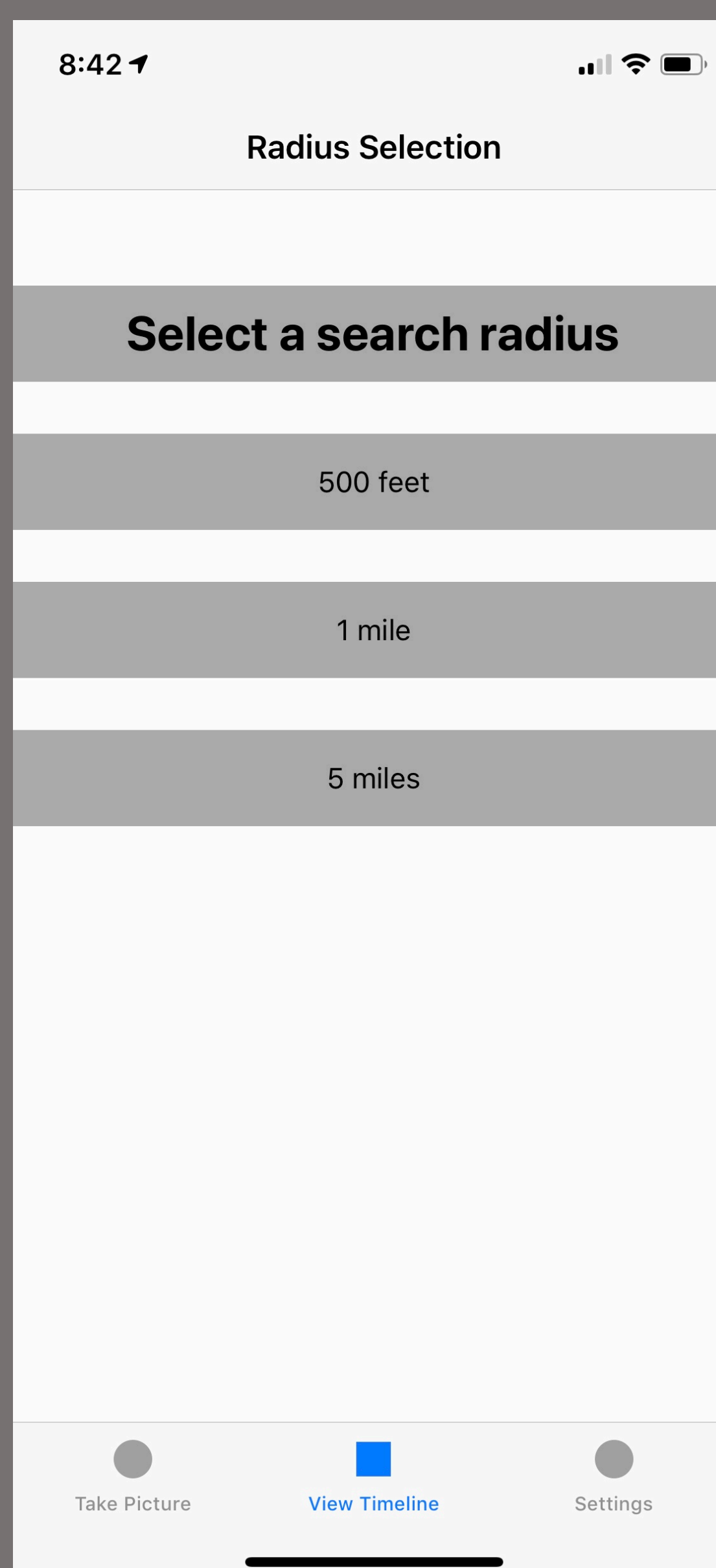- Used CoreLocation Framework for location services

Conclusion

This project resulted in an iOS application that allows users to share and upload photos based on a user's location. The main views in the application are for taking pictures, confirming to save a picture, selecting a radius of pictures to view, and a timeline view to display the relevant photos. The app also has user accounts which allow for user specific features. Overall, this application has fulfilled the requirements of the project
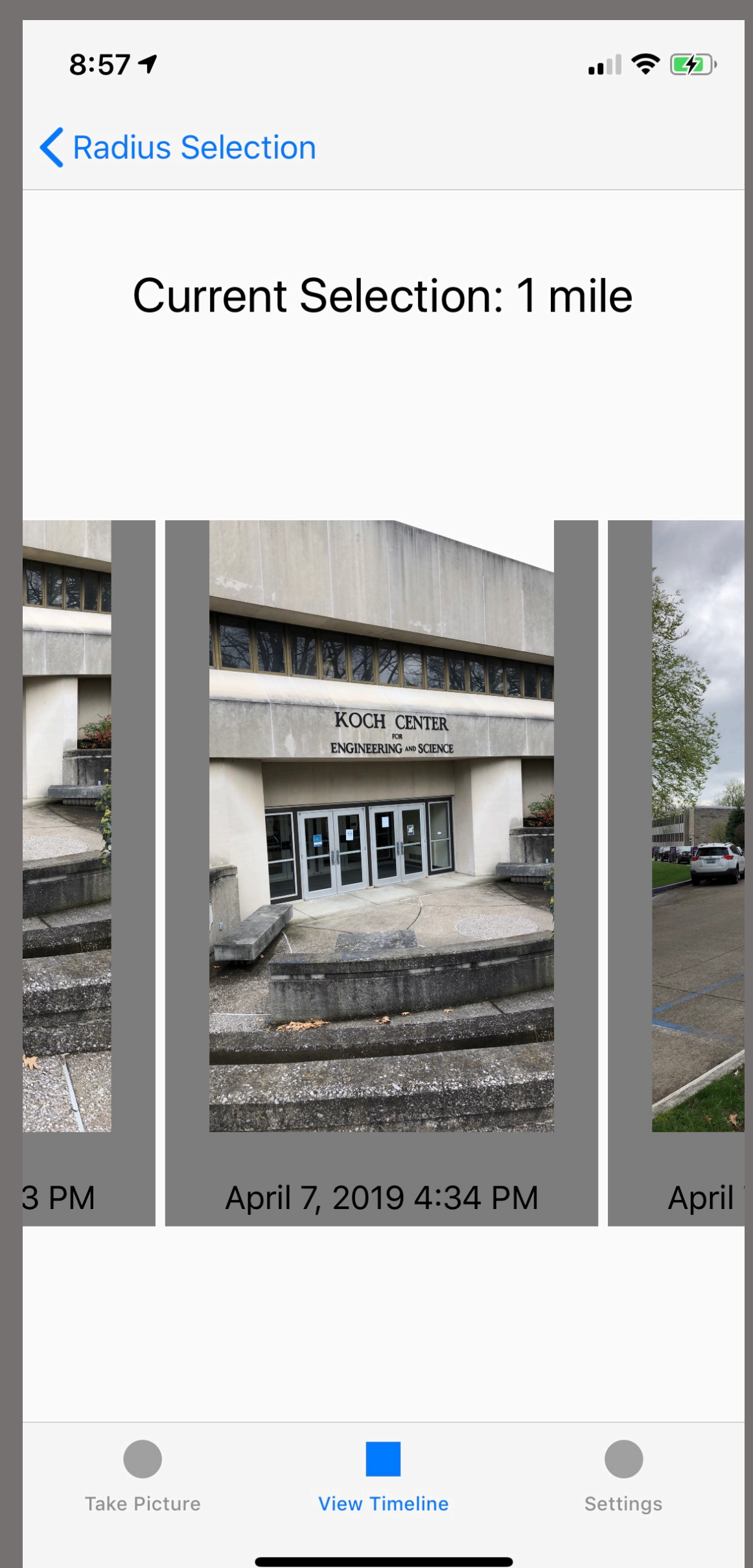
Taking a Picture

Confirming Save

Radius Selection

Timeline View