

UCSC Bus Tracker - Sprint 3 Plan

Team Members: Nathan Lakritz, Brian Thyfault, Radomyr Bezghin, Rizzian Tuazon

Sprint Start Date: 2/24/2020

Sprint Completion Date: 3/8/2020

Revision Number: 1

Revision Date: 2/25/2020

Goal: The primary goal of this sprint is to continue working on unfinished user stories from Sprint 2. This includes bus ETAs, bus direction and UI improvements. To complete these, we must also learn how to properly and efficiently implement them in Swift and MapBox. We will also implement capacity tracking if there is extra time. This requires uploading individual device data to a central server.

Sprint Tasks:

- User Story 1: (8) As a user, I want to view an accurate ETA table for each bus stop.
 - Task 1: Pull data from eta server using custom POST request (3 hours)
 - Task 2: Process data from eta server (2 hours)
 - Task 3: Implement data into table view (3 hours)
- User Story 2: (7) As a user, I want to interact with a nice-looking and intuitive UI.
 - Task 1: Design UI/come up with idea of UI before implementation (2 hours)
 - Task 2: Actual implementation of the UI (5 hours)
- User Story 3: (5) As a user, I want to be able to switch between dark and light modes.
 - Task 1: Learn how to implement dark mode (3 hours)
 - Task 2: Actually implement dark mode on map and UI (2 hours)
- User Story 4: (10) As a user, I want to know bus type and the direction it's going.
 - Task 1: Figure out how to properly display this (through the bus logo/icon, etc.) (5 hours)
 - Task 2: Implement into code/app and ensure that it is accurate. (5 hours)
 - Testing will depend on timing as active buses with tracking devices vary throughout the day.
- User Story 5: (10) As a student, I want to know how crowded buses are.
 - Task 1: Track users that are on the bus based on proximity (3 hours)
 - Task 2: Store data on server (3 hours)
 - Task 3: Display data to users (3 hours)

Team Roles:

- Brian Thyfault: Project Owner
- Radomyr Bezghin: Developer
- Nathan Lakritz: Scrum Master
- Rizzian Tuazon: Developer

Initial Task Assignment:

- Radomyr: 4
- Rizzian: 3
- Brian: 2
- Nathan: 1

Scrum Meeting Times:

- Monday 11:45 am
- Wednesday 11:45 am
- Friday 11:45 am

TA Meeting Time:

- Tuesday 10:35 am