UCSC Bus Tracker - Sprint 1 Plan

Team Members: Nathan Lakritz, Brian Thyfault, Radomyr Bezghin, Rizzian Tuazon
Sprint Start Date: 1/27/2020
Sprint Completion Date: 2/9/2020
Revision Number: 2
Revision Date: 2/5/2020

Goal: The goal of this sprint is to become familiar with Mapbox, finalize scrum scheduling, establish a foundational codebase, figure out a method to constantly poll a database, display bus locations, and display user location. A basic app interface should also be designed and implemented by the end of this sprint.

Sprint Tasks:
- User Story 1: (6) As a student, I want to know the exact current location of the campus busses, so I can tell if one is coming.
  - Task 1: Fetch bus location data from database (3 hours)
  - Task 2: Display bus locations on map (3 hours)
- User Story 2: (5) As a user, I want to know where I am relative to the bus stops, so I can figure out the best route to my destination.
  - Task 1: Fetch realtime user location (2 hours)
  - Task 2: Display user location on map (2 hours)
  - Task 3: Handle user permissions (1 hour)
- User Story 3: (7) As a user, I want to refer to an accurate and detailed map.
  - Task 1: Figure out which map API to use (2 hours)
  - Task 2: Display map with correct default coordinates, zoom level, and bus stop icons (2 hours)
  - Task 3: Figure out how to add stuff to map (preferably using longitude and latitude) (3 hours)
- User Story 4: (3) As a developer, I want to follow Scrum and have good documentation, so that I can develop the product efficiently.
  - Task 1: Create repo, Trello page, Discord channel, documents (1 hour)
  - Task 2: Figure out our schedules (1 hour)
- User Story 5: (6) As a user, I want to be able to view a popup when I tap on a bus stop.
  - Task 1: Add bus stops as annotated points (3 hours)
  - Task 2: Display popup with placeholder text (3 hours)

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

Initial Task Assignment:
- Radomyr: U.S. 1
- Rizzian: U.S. 2
- Brian: U.S. 3
- Nathan: U.S. 5

Scrum Meeting Times:
- Monday 11:45 am
- Wednesday 11:45 am
- Friday 11:45 am

TA Meeting Time:
- Tuesday 10:35 am