**UCSC Bus Tracker - Sprint 1 Plan**

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

Sprint Start Date: 3/30/2020

Sprint Completion Date: 4/13/2020

Revision Number: 1

Revision Date: 4/3/2020

**Goal**: The goal of this sprint is to begin the implementation of the ETA calculating web applet as well as fix some minor bugs from our first release. It’s also a point of interest to improve efficiency and error handling as to prevent crashes and any unwanted behavior(s) by the app.

**Sprint Tasks**:

* User Story 1: (6) As a user I want my app to be bug-free and work smoothly.
  + Task 1: Fix bug where first-time user experiences a crash due to user location (2 hours)
  + Task 2: Make bus stop info more intuitive (2 hours)
  + Task 3: Remove extra bus stop icons on map and add points of interest by updating Mapbox style link (2 hours)
* User Story 2: (3) As a user I want to have detailed bus icons that distinguish what type of bus it is.
  + Task 1: Create an original bus icon through visual arts software. (3 hours)
* User Story 3: (6) As a user I want buses to transition smoothly on the map so that it's easier to predict when they arrive.
  + Task 1: Improve code that deals with adjusting the real-time orientation/direction that the bus is traveling at (6 hours).
* User Story 4: (12) As a user I want an accurate ETA calculation.
  + Task 1: Create the javascript code/app that will calculate the ETA from point A to point B (using longitude and latitude). (4 hours)
  + Task 2: Access the bus database to get bus locations for all buses. (8 hours)
    - Subtask 1: Calculate all ETAs from a bus to all the Bus stops then move on to the next bus.

**Team Roles**:

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

**Initial Task Assignment**:

* Radomyr: U.S. 3
* Rizzian: U.S. 4
* Brian: U.S. 2
* Nathan: U.S. 1

**Scrum Meeting Times**:

* Tuesday 5:00 pm
* Friday 5:00 pm

**TA Meeting Time**:

* Tuesday: 3:10pm-4:55pm