**UCSC Bus Tracker - Sprint 2 Plan**

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

Sprint Start Date: 4/20/2020

Sprint Completion Date: 5/3/2020

Revision Number: 1

Revision Date: 4/4/2020

**Goal**: The main goals of this Sprint is to finish implementing ETA’s and to let real users try our application since most of the main features are ready to be shipped.

**Sprint Tasks**:

* User Story 1: (7) As a student, I want to know the official bus schedule so I can plan my own schedule effectively.
  + Task 1: Research on how to get transit data directly from TAPS/Google.
  + Task 2: Implement this data into the existing bus ETA table.
* User Story 2: (7) As a student, I want to be able to download the bus tracker app on the official Apple App Store.
  + Task 1: Read all the rules to publish an application.
  + Task 2: Publish beta version of app.
  + Task 3: Send links for beta testers.
* User Story 3: (8) Tapping on a bus should highlight its route on the map.
  + Task 1: Draw out routes.
  + Task 2: Make bus clicks trigger an action.
  + Task 3: Map different routes to correct bus types.
* User Story 4: (3) As a user I want to have detailed bus icons that distinguish what type of bus it is.
  + Task 1: Attach new icons to busses on map (3 hours)
* User Story 5: (6) As a visitor, I need to know how the bus system at UCSC works.
  + Task 1: Add an info icon for the user to press (2 hours)
  + Task 2: Add page explaining all the routes, times, stop locations, etc. (4 hours)
* User Story 6: (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. 1,2
* Rizzian: U.S. 6
* Brian: U.S. 4,5
* Nathan: U.S. 3

**Scrum Meeting Times**:

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

**TA Meeting Time**:

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