**UCSC Bus Tracker - Release Plan**

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**High-Level Goals**

* Users can view accurate bus ETAs to bus stops.
* Users can view routes of the different bus types (Loop, Upper Campus, etc.).
* Users have a nice-looking UI that functions smoothly.
* Both iOS and Android users can use a mobile application that is available to download through official app stores.
  + Users have an Android version of the app that, at the very least, tracks buses in real time.

**User Stories**

* **Sprint 1 (4/6 - 4/19):** 
  + User Story 1: (8) As a user I want my app to be bug-free and work smoothly.
  + User Story 2: (3) As a user I want to have detailed bus icons that distinguish what type of bus it is.
  + 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.
  + User Story 4: (12) As a user I want to know bus ETAs, so I can be at the bus stop location on time.
* **Sprint 2 (4/20 - 5/3):**
  + User Story 1: (5) As a student, I want to know the official bus schedule so I can plan my own schedule effectively.
  + User Story 2: (10) As a student, I want to be able to download the bus tracker app on the official Apple App Store.
  + User Story 3: (8) As a student, I want to use an automatic route planner so that I don’t have to figure out the best route myself.
  + User Story 4: (8) As a user, tapping on a bus should highlight its route on the map, so that I can figure out what bus to take.
  + User Story 4: (4) As a developer I want to have good documentation, so that I can develop the product efficiently.
* **Sprint 3 (5/4 - 5/17): Android Version**
  + User Story 1: (8) As a student, I want to know the exact current location of the campus busses, so I can tell if one is coming.
  + User Story 2: (2) 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.
  + User Story 3: (6) As a user, I want to be able to view a popup when I tap on a bus stop.
  + User Story 3: (8) As a user, I want to view an accurate ETA table for each bus stop.
* **Sprint 4 (5/18 - end of quarter):** 
  + User Story 1: As a user, I want this app to be available through the Play Store so that it's easy to download.
  + User Story 2: As a student, I want to use an automatic route planner so that I don’t have to figure out the best route myself.
  + User Story 3: As a developer I want to have good documentation, so that I can develop the product efficiently.

**Product Backlog (for version 3.0 and beyond)**

* Web version
* Ability to dynamically add some info like new bus stops, bus types, or schedules
* Crowdsourced capacity tracking
* As a user, I want to know when I have to leave in order to make it onto a bus in time.
* As a student, I want to have notifications to alert me of bus activity, changes in schedule, etc.
* As a user, tapping on a bus should highlight its route on the map, so that I can figure out what bus to take.