

SlugLoop

Sprint Two Plan

04/26/2023

**Goal:**

The goal for this sprint is to continue working on the UI/UX tasks, as well as backend tasks that concern our database. We had to completely alter our release plan, sprint plans, and MVP because of the changes our sponsor made to our project.

**Task Listing:**

* **1. As a user, I want to be able to see and switch between different loop routes and have them displayed on the map. [4]**
  + **1.1 Add functionality to toggle between maps**
  + **1.2 Create polylines for routes**
* **2. As a user, I want to see a list view of all bus stations, so I can quickly find my desired bus stop and access relevant information. [3]**
  + **2.1 Add button on map to redirect to a new page**
  + **2.2 New page should contain list of all bus stations on UCSC Campus**
  + **2.3 Clicking on button redirects to specific page for that bus**
    - **Make Page component reusable with query parameters**
* **3. As a user I want to see a list of favorite bus stops or routes, so I can quickly find my desired bus stop and access relevant information. [3]**
  + **3.1 Sign in page**
  + **3.2 Sign up page**
  + **3.3 Store user favorites in firebase**
* **4. As a user, I want to see visually appealing graphics and logos, and not a drab interface.**
  + **4.1 Create SlugLoop logo**
  + **4.2 Have the routes displayed in different colors**
* **5. As a user, I want to know if a bus is arriving soon, so I know about upcoming arrivals.**
  + **5.1 Backend logic calculate is bus is CCW or CW**
  + **5.2 Backend logic, if certain direction bus is CCW or CW, update next bus stops**
    - **Careful, bus may drift while stopped at a bus stop, so cannot just use two points to determine if bus is CCW or CW**
  + **5.3 Store list of SOON bus stops in firebase, and write backend api route to find list of bus stations with bus arriving soon**
* **6. As a user, I want accurate ETA predictions for the buses.**
  + **6.1 Backend Logic, if a bus is at one stop, store the time it takes to get from that stop to a future stop as well as the day of the week and time of the day in firebase**
    - **Careful, when do we decide to remove a bus from the list of buses being tracked for future times?**
    - **For example, if bus at Crown, we should not be saving the time for getting to College 9/10 on the next day**
  + **6.2 Do this in a time and space efficient way**

**Team Roles:**

* Eli: Product Manager
* James: Developer
* Jeremy: Scrum Master
* Ivan: Developer
* Jed: Developer
* Mason: Developer

**Initial Task Assignment:**

* Eli: User Story 5
* James: User Story 1
* Jeremy: User Story 3
* Ivan: User Story 6
* Jed: User Story 4
* Mason: User Story 2

**Scrum Board:**

[**https://trello.com/b/eGpj9nhU**](https://trello.com/b/eGpj9nhU)

**Meeting Times:**

TA Meeting: 1-1:45 Wednesdays