

SlugLoop

Sprint One Plan

04/12/2023

**Goal:**

The goal for this sprint is to help the team get more familiar with the tech stack used in the project. Furthermore, research will be done to implement additional business logic in both the front end and back end. Figma designs will be drawn up for revamping frontend pages next sprint.

**Task Listing:**

1. UI/UX Mockups: As a designer, I want to create Figma mockups for each main page, so the development team has clear visual guidelines to follow during implementation. [18]
   1. Create a figma mockup for the about us page. [6]
   2. Create a figma mockup for the contact us page. [6]
   3. Create a figma mockup for a new history page. [6]
   4. Total for User Story 1: 18 hours
2. Frontend New: 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. Create a polyline for each route using the google maps api by hard coding routes [2]
   2. Add business logic to swap between routes [2]
   3. Total for user Story 2: 4 hours
3. Frontend Developer: As a frontend developer, I want the frontend code to be heavily documented so future developers can easily pick up on where we left off. [4]
4. Backend Metro: As a backend developer, I want to write reusable functions for calling the metro API to reduce code redundancy and increase maintainability. [10]
   1. Take a look at the documentation for the [metro api](https://rt.scmetro.org/bustime/apidoc/docs/DeveloperAPIGuide3_0.pdf) and note down useful api calls and how they are used as well as the schema they take as input and output [8]
   2. Utilizing the notes, write reusable functions to fetch from api, api key will be given on request [2]
5. Backend developer: As a backend developer, I want the backend code to be heavily documented so future developers can easily pick up where we left off. [4]
6. Unit Testing Old: As a developer, I want to create unit tests to ensure each component works as expected and to achieve 100% test coverage. [18]
   1. Write unit tests for frontend [6]
   2. Write unit tests for backend [6]
   3. Write unit tests for end to end [6]
7. Frontend New: As a user, I want my settings to persist of I close and reopen the app [4]
   1. Create a React Context wrapping the app that stores all settings [3]
   2. Use local storage to store settings

**Team Roles:**

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

**Initial Task Assignment:**

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

**Scrum Board:**

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

**Meeting Times:**

TA Meeting: 10-10:45 Wednesdays