**Release Plan**

CO2 Foodprint: Carbon Footprint Calculator

Members: Soma Badri, Riley Murphy, Destin Wong, Raymond Lee, Kelley Broderick

Release Date: April 6, 2021

Revision Number: 3

Revision Date: May 20, 2021

**High Level Goals:**

* Overall, a tool that can aid your goals in living a more sustainable lifestyle.
* Design a web app where you can input a recipe and get the approximate carbon footprint of it,
* Have the ability to keep track of your footprint through a user profile, and set carbon emissions goals for yourself.
* Additional functionality could include your transportation footprint, and suggestions on recipes or other ideas to reduce your footprint.

**User Stories for Release:**

Scale for Story Points

1: X small

2: Small

3: Medium

5: Large

8: X Large

13: XXL

20/21: Huge

Sprint 1 (mostly learning) week 3-4

|  |  |  |
| --- | --- | --- |
| Goal: Learning new resources | Story Points | Priority |
| As a developer, I want to make a drawing/diagram for each page (front page especially) in order to outline the app   * Have a meeting to diagram for each page (this is more of a group effort than individual) (2 hrs) | 5 | 1 |
| As a developer, I want to learn more about react & html & javascript to make this project   * Code Academy or other * Test out ionic | Spike |  |
| As a developer, I want to find/learn about postgresql to use for a backend database   * Web research | Spike |  |
| As a developer, I want to learn different APIs to decide what is most appropriate for this project.   * Web research | Spike |  |

Sprint 2

|  |  |  |
| --- | --- | --- |
| Goal | Story Points | Priority |
| As a user, I want a place to input items in my recipe so that it can return the approximate carbon emission number of that item.   * Import edamam api (2 hrs) * Make it so you can input a food -> spit out emission facts (2 hrs) | 20 | 1 |
| As a user, I want to have a login system so that I can set up an account with a user profile to customize for later   * Implement google authentication (1 hr) | 13 | 2 |
| As a user, I want the ability to add up multiple items so that it can return the approximate carbon emission number of an entire recipe.   * Create a counter for each category, divide by number of ingredients (1 hr) | 13 | 3 |
| As a user, I want the ability to have a score for emission use so I can strive for a more sustainable lifestyle and measure it numerically   * Save your recipe score to an overall user emission count (2 hrs) | 13 | 4 |

Sprint 3 (social) week 7-8

|  |  |  |
| --- | --- | --- |
| Goal | Story Points | Priority |
| As a user, I want to have a profile so I can see my information   * Set up backend to take in google auth code and be able to save a json object for each user with recipes and such (2 hrs) | 20 | 1 |
| As a user, I want to see ideas/tips/swaps so that I can take inspiration from them in my own recipes   * Set up backend for seeing other peoples posts/profiles in dashboard (3 hrs) | 13 | 2 |
| As a user, I want the ability to post recipes so that I can share my personal recipes/tips/swaps   * Post recipes page UI (2 hrs) | 13 | 3 |
| As a user, I want the ability to see my friend’s profiles so that I can have a social aspect   * Set up backend for seeing friends (get call) (2 hrs) | 20 | 4 |

Sprint 4

|  |  |  |
| --- | --- | --- |
| Goal  (\*) = reach | Story Points | Priority |
| As a user, I want to be able to save recipes that I have viewed from others to see/use later on   * Be able to see other users & get to their pages, follow them so it saves their profile to your friends (4 hrs) * Make other user profile page UI (pic, name, recipes) (2 hrs) * Save their recipe to your list (2 hrs) | 20 | 1 |
| As a user I want to be able to see other user’s posts on the dashboard so that I can see what others are doing and like or follow those users   * Other people’s posts go to dashboard (2 hrs) * Be able to click on these posts and go to their profile (1 hr) | 13 | 2 |
| As a user, I want to be able to view the site on mobile so I can view it any time   * Restructure for mobile (3 hrs) | 20 | 3 |

**Product Backlog:**

As a developer, I want somewhere to host our website

* Firebase (<1 hr)
* Restructure for mobile (3hrs)
* See how many people saved **your** recipes and how many followers you have (\*) (1 hr)

**Project Presentation:**

In google slides / submitted on google drive