

## **Sprint 2 Plan**

### **PantryPal**

**July 10, 2023 - July 16, 2023**

**Revision: 1.0.0**

**Revision date: July 9, 2023**

**Goal:** Build on the web app so that it is able to take a user input and give a formatted list of recommendations using the ML recommender while also allowing filters such as a vegetarian option.

#### **User Story:**

- **As a user, I want a user interface that has a formatted list of recommendations and also responses for errors that I've made - 13 Total**
  - Display Recipes: Creating a function to take the API response and format it into a user-friendly display of recommended recipes. **(3)**
  - Handle No Results: Implement a clear and friendly message to display to the user in case no matching recipes are found. **(5)**
  - Error Handling: Handles potential errors, if the API is down or a request fails, the user should be informed appropriately. **(5)**
- **As a user, I want a variety of recipes based off the ingredients I input 5 total**
  - Build database: Run webscraper on recipe websites and build a large dataset **(5)**
- **As a user, I want to receive recipe recommendations through the user interface 4 total**
  - Integrate ML Model: Adapt ML model to work with endpoint - **2 Total**
  - Error Handling and Logging: Add comprehensive error handling and logging to Flask API to ensure it fails gracefully and logs the error, and continues with the remaining tasks. - **2 Total**
- **As a user that's vegetarian, I want to be able to only receive vegetarian recipes that can be made with the ingredients I input. 8 total**
  - Preprocess dataset with only vegetarians options **(4)**
  - Tune model to best generate valid vegetarian recipes **(4)**
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#### **Team roles:**

- **Sayak:** Product Owner, Frontend Developer
- **Aaron:** Backend Developer
- **Yera:** Scrum Master, Frontend Developer
- **Hisham:** Scrum Master, Frontend Developer
- **Raghavendra:** ML engineer
- **Zhengheng:** ML engineer

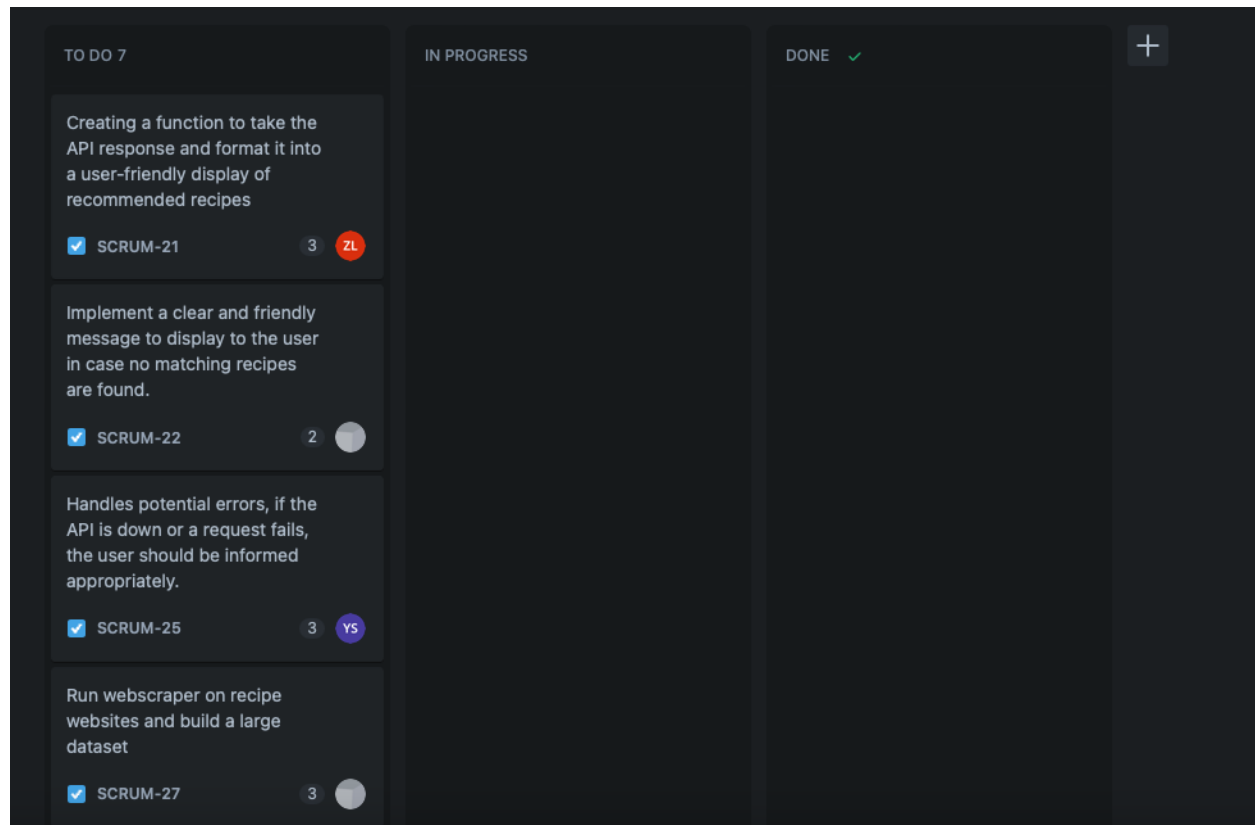
#### **Initial task assignment:**

- **Sayak:** As a user, I want a variety of recipes based off the ingredients I input
- **Aaron:** As a user, I want to receive recipe recommendations through the user interface

- **Yera:** As a user, I want a user interface that has a formatted list of recommendations and also responses for errors that I've made
- **Hisham:** As a user, I want a user interface that has a formatted list of recommendations and also responses for errors that I've made
- **Raghavendra:** As a user that's vegetarian, I want to be able to only receive vegetarian recipes that can be made with the ingredients I input.
- **Zhengheng:** As a user that's vegetarian, I want to be able to only receive vegetarian recipes that can be made with the ingredients I input.

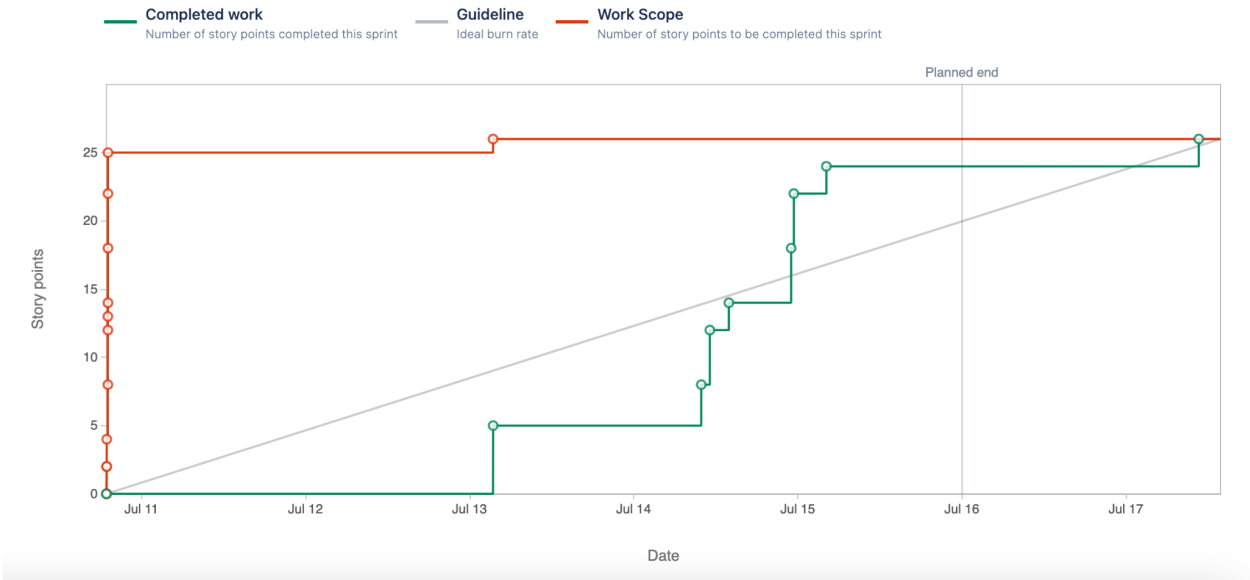
### Initial Scrum Board:

<https://pantrypal.atlassian.net/jira/software/projects/SCRUM/boards/1>



**Date** - July 10th, 2023 - July 16th, 2023

**Sprint goal** - to finish all the tickets we have on the board.



**Scrum Times:**

Mondays: 6-7pm, Wednesdays: 5-6pm, Fridays: 5-6pm