

Recipe Ready

Sprint 1 Planning Document

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Sprint Overview:

During this sprint, we plan to implement the core features of the application including user registration and recipe entry. Front-end developers will be responsible for implementing a responsive UI for registration and other core features. Back-end developers will implement the server that the application will run on and set up a database for storing necessary data.

Scrum Master: Austin Wentz

Meeting Schedule: Tuesday, Thursday 12:30-2:00 PM

Risks/Challenges:

A major concern is a lack of communication between frontend and backend developers in the early stages of implementation. It will be important to discuss in clear terms exactly how the front end and back end will communicate in order to avoid inconsistencies or limitations later on. Another concern is that many of the important features of the application depend on very complex interactions, such as the web crawler successfully finding and storing well formatted results for searches. Also, we must account for the time it will take us to learn the new technology stack, as none of us are too familiar with it.

1. As a user, I want to be able to create an account on the webapp.
 - a. As a user, I want to be able to register with an email address and password.
 - b. As a user, I want to be able to log in with my email and password.
 - c. As a user, I want to be able to log out.

| Task # | Description | Estimated Time | Owner |
|--------|---|----------------|-----------------|
| 1 | Set up back-end server | 6 hr | Vasudha Kashyap |
| 2 | Set up staging server | 3 hr | Vasudha Kashyap |
| 3 | Set up database | 4 hr | Vasudha Kashyap |
| 4 | Set up client-server authentication using Passport.js | 6 hr | Austin Wentz |
| 5 | Functionality for account creation on client side | 6 hr | Austin Wentz |
| 6 | Functionality for profiles and accounts on back end | 6 hr | Austin Wentz |
| 7 | Functionality for “forgot password?” | 6 hr | Austin Wentz |

Acceptance Criteria:

- Given that the user account creation page is successfully set up, when a user goes to make a new account, they should be able to sign up using an email and password.
- Given that the user login page is successfully set up, when a user goes to login, they should be able to login using their facebook account or site credentials.
- Given that the user login page is successfully set up, when a user loses their password, they should be able to retrieve it using our “forgot password” functionality.

2. As a user, I want to be able to navigate through all the pages on the website, including the home page, search page and pantry page.

- a. Login Page
- b. Registration Page
- c. Pantry Page
- d. Search Result Page
- e. Settings Page

| Task # | Description | Estimated Time | Owner |
|--------|--|----------------|--------------|
| 1 | Set up home page (in which set up means implementing controls) | 5 hr | Michael Pike |
| 2 | Set up pantry page | 5 hr | Michael Pike |
| 3 | Set up search result page | 4 hr | Joe Marshall |
| 4 | Set up registration page | 2 hr | Austin Wentz |
| 5 | Set up log in page | 2 hr | Austin Wentz |
| 6 | Set up settings page | 4 hr | Moshi Li |
| 7 | Set up ingredient entry form | 4 hr | Joe Marshall |

Acceptance Criteria:

- Given that all the pages have been created, when a user goes to our website, they should be able to navigate freely through the pages as described in our design document.
- Given that the pages have been successfully set up, when a user is on a page, they should be able to interact with the views illustrated in the UI mockup specified in our design document.

3. As a user I want to be able to add ingredients to my pantry
 - a. User pantry storage in database
 - b. Controls for specifying ingredient expiration date, purchase date, and amount
 - c. Ingredient entry form

| Task # | Description | Estimated Time | Owner |
|--------|---|----------------|-----------------|
| 1 | Usable ingredients should be stored as a collection in the database | 3 hr | Vasudha Kashyap |
| 2 | Create interface for looking up ingredients from home page | 6 hr | Michael Pike |
| 3 | Store ingredient packages in user pantry | 3 hr | Joe Marshall |
| 4 | Specify and store purchase date for ingredient packages | 1 hr | Moshi Li |
| 5 | Specify and store expiration date for ingredient packages | 1 hr | Moshi Li |
| 6 | Add ingredients to pantry from ingredient entry form | 2 hr | Joe Marshall |
| 7 | Package with closest expiration date per ingredient is displayed in pantry view | 2 hr | Moshi Li |

Acceptance Criteria:

- Given that a user has an account on the website, when a user wants to add an ingredient to their pantry, they can do so from the ingredients form view.
- Given that a user has an account on the website, when a user wants to add an ingredient to their pantry, they can specify an expiration date and purchase date.
- Given that a user has an account on the website, when a user enters characters into the search bar, they will be shown a list of possible ingredients to choose from.

4. As a user, I want the webapp to fetch recipes based on only the ingredients that I have input.
- Implement views for recipe search results
 - Set up database search for stored recipes
 - Integrate web crawler into server

| Task # | Description | Estimated Time | Owner |
|--------|---|----------------|------------------------------|
| 1 | Set up recipe as a card functionality for recipe result page. | 6 hr | Joe Marshall |
| 2 | Create basic traditional search and present results in card format. | 6 hr | Joe Marshall |
| 3 | Set up and integrate scrapy | 8 hr | Austin Wentz/Vasudha Kashyap |

Acceptance Criteria:

- Given that the search results page will have already been implemented, a user should be able to enter ingredients into the search bar and receive relevant results in the form of recipe cards.
- Given that we are not fully implementing the web crawler in this sprint, the web crawler does not need to be able to find recipes, but it must be set up to the point that it is able to accept API calls as needed.

Remaining Backlog:

Functional Requirements:

1. ~~As a user, I want to be able to register with an email address and password.~~
2. ~~As a user, I want to be able to log in with my email and password.~~
3. ~~As a user, I want to be able to log out.~~
4. As a user, I want to be able to store a list of ingredients that represent allergies/dietary restrictions to my profile.
5. As a user, I want to be able to add dietary restrictions by ingredient.
6. As a user, I want to be able to remove dietary restrictions by ingredient.
7. As a user, I want to store separate lists of ingredients by amount as “shopping lists” on my profile.
8. As a user, I want to be able to delete and rename shopping lists.
9. ~~As a user, I want all of my ingredients to be stored to my profile in my “pantry”.~~
10. As a user, I want to be able to add ingredients to my pantry from a shopping list.
11. ~~As a user, I want ingredients in my pantry to be subdivided into “packages” representing separate packages or quantities of each ingredient added at different times.~~
12. ~~As a user, I would like to be able to specify an expiration date for each package in my pantry.~~
13. ~~As a user, I want to be able to specify a purchase date for each package in my pantry.~~
14. ~~As a user, I want the purchase date to be set to the date on which the package was entered by default.~~
15. As a user, I would like the ingredients in my pantry to be shown in descending order of the expiration date of the package with the closest expiration date.
16. ~~As a user, I want each ingredient entry in the pantry view to display the expiration date of the next package that will expire, along with the amount in that package.~~
- ~~Ingredients form~~
17. ~~As a user, I want to be able to enter a list of ingredients by amount into an ingredients form.~~
18. ~~As a user, I want to be able to add ingredients to my pantry from the ingredients form.~~
19. As a user, I want to be able to add ingredients to a new shopping list from the ingredients form.
20. As a user, I want ingredients that are in my dietary restrictions list to be omitted from the ingredients form.
21. As a user, I want recipes found during searches to be ignored if they contain ingredients in my dietary restrictions.
22. As a user, I want to be able to automatically add ingredients I do not have for a recipe to my shopping list.
23. As a user, I want to be able to “confirm” a recipe and have the required ingredients be subtracted from my available ingredients.
24. As a user, I would like the recipe view to display separate lists of ingredients that are in my pantry and not in my pantry.

25. As a user, I would like to be able to add ingredients from the recipe view to a pre-existing or new shopping list.
- ~~26. As a user, I would like to be able to see what percentage of ingredients I have for a recipe.~~
27. As a user, I want to have minor ingredient (spices) replacements suggested to me (if time permits).
28. As a user, I want to know where I can buy ingredients I need for a recipe. (If time permits).
29. As a user, I would like to be able to search for recipes by cuisine style (if time permits).
30. As a user, I would like to be able to scan grocery store item's barcodes (if time permits).
31. As a user, I would like to be able to submit a feedback form (if time permits).
32. As a non-registered user, I want my ingredients to be stored as browser cookies (if time permits).
33. As a user, I want displayed recipes to be sorted based on the proportion of required ingredients available in my pantry (if time permits).
34. As a user, I would like to have recipes suggested to me based on the items I have in my saved list of ingredients (if time permits).
35. As a developer, I'd like to be able to view user feedback (if time permits).

Non-functional Requirements:

1. As a developer, I would like to gather statistics on my users.
2. As a developer, I want recipes to be obtainable from the internet via web crawling
3. Password hashes should be stored securely