DishDelish Release Plan

Heading:

- Product Name: DishDelish
- Team Names: Audrey Ostrom, Alyssa Yee, Annika Gupta, Maina Dhar, Janvi Rochlani, Alisha Saboowala
- Release Name: Release 1.0
- Release Date: 3/12/2024
- Revision Number: 5
- Revision Date: 3/1/2024

Technologies:

- MERN stack (MongoDB, Express, React, Node.js)

Challenges/Risks:

- Learning unfamiliar and new technologies
- Finding time to have meetings
- Heavy coursework

High level goals:

We would like to fully implement the functionality for the ingredient inputting and recipe fetching process (where only recipes using exclusively those given ingredients are shown). We would also like users to be able to filter the recipes in their results based on time, allergies, dietary restrictions, cuisine preferences, etc. Additionally, if we have more time: we would also like users to be able to save recipes and review them. In the event that a user finds no recipes they like, we like to integrate a transformer model that can create recipes from scratch for some creative fun.

User stories defining the scope of the release:

Either list the user stories in priority order within each sprint or indicate the priority of each user story explicitly.

Recall that a user story should take the form, "As a {user role}, I want {goal} [so that {reason}]". User stories should meet the "INVEST" criteria (independent, negotiable, valuable, estimatable, sized appropriately, and testable).

It is a good idea to identify each user story by a unique label that allows the user story to be referenced across different tools and documents.

The complete list of user stories will take the form of:

- **Sprint 1**
    - **(priority)** User story 1.1 “Login” [8]: As a frequent user of this app, I need to be able to have a way to sign-in so that I can view recipes I’ve done before and liked.
    - We can accomplish this by implementing a secure login method by setting up our back-end.
    - **(priority)** User story 1.2 “Ingredient Inputs” [5]: As someone who’s strapped for time, I need access to be able to input ingredients I have on hand so that I can get recipes that I currently cook without needing to run to the store.
        - We can accomplish this by deciding on the schema of how we’d like to store data about our users (like what’s in their pantry). Once that’s settled, we can take user inputs and then store it for that database. In the event this takes longer than expected.
    - **(priority)** User story 1.3 “Interface” [8]: As an interested user of this app, I need to have a user-friendly interface so that I can interact with the many features offered in this application.
- **Sprint 2**
    - **(priority)** User story 2.1 “Getting Recipes” [8]: As an indecisive, financially-minded college student, I want to be able to find relevant recipes so that I can utilize the ingredients I already have in my household.
    - (**priority**) User story 2.2 “Filtering Recipes” [5]: As someone who has dietary limitations, I want to be able to filter search results based on allergies, dietary restrictions, cuisine preferences, and time so that I can make recipes that suit my personal needs.
    - User story 2.3 “User Flow Schema Integration” [8]: As someone who would like to frequently use this application, I would like to create a user profile and view my saved recipes so that I can easily access my user information and favorites.
- **Sprint 3**
    - User story 3.1 “Generate New Recipes” [8]: As someone who’s adventurous and wants to try new stuff, I want to be able to generate a unique and new recipe no one has ever tried before without needing to spend a bunch of cash.
    - User story 3.2 “User Flow Schema Integration” [8]: As someone who would like to frequently use this application, I would like to create a user profile and view my saved recipes so that I can easily access my user information and favorites.
- **Sprint 4**
    - (priority) User story 4.1 “Refactoring Interface for Mobile + Cleanliness” [8]: As a user who accesses applications on their phone often, I would like to be able to view the application on my mobile device because it makes it more convenient to access.

    - (priority) User story 4.2 “Improve user interface features” [8]: As a user who prefers a polished web application with a good user interface, I would like the web application to be intuitive since it makes it easier to use the application.
    - (priority) User story 4.3 “Testing” [8]: As a user who wants to make sure that the final application meets my expectations, I would like to thoroughly test the final application to ensure a seamless user experience.

All User Stories:

- As someone who’s strapped for time, I need access to be able to input ingredients I have on-hand so that I can get recipes that I can currently cook without needing to run to the store.
- As someone who isn't fond of spending too much time in the kitchen, I'm looking for recipes that are both quick and healthy so that I can prepare nutritious meals without investing a significant amount of time in the cooking process.
- As a health-conscious student, I want to find healthy/balanced recipes using ingredients I already have on hand.
- As a student with dietary restrictions/allergies, I want to find recipes that work with my diet using ingredients I already have at home.
- As someone who goes to the gym/wants to build muscle I want to be able to see recipes with high protein content with the ingredients I already have in my kitchen.
- As an indecisive, financially-minded college student, I want to be able to find relevant recipes so that I can utilize the ingredients I already have in my household.
- As an indecisive, financially-minded college student who is busy, I want to be able to save and review recipes so that I can be able to execute recipes at a convenient time.
- As someone who has dietary limitations, I want to be able to filter search results based on allergies, dietary restrictions, cuisine preferences, and time so that I can make recipes that suit my personal needs.
- As someone who just went grocery shopping and wants to try a recipe, I want to be able to scan my receipts for recipe lookups.
- As someone who’s adventurous and wants to try new stuff, I want to be able to generate a unique and new recipe no one has ever tried before without needing to spend a bunch of cash.
- As a frequent user of this app, I need to be able to have a way to sign-in so that I can view recipes I’ve done before and liked.
- As an indecisive, budget-conscious college student, I want to be able to find relevant recipes so that I can have a different variety of meals.
- As someone who doesn’t have enough time to use an ingredient before it goes bad, I want to be able to give away ingredients so that others can use them.
- As someone who has ingredients that’ll go bad really quickly, I would like to have a way to prioritize ingredients that use those recipes.

Minimum Viable Product (MVP):

- In our minimum viable product, we will build a website where users will be able to input ingredients, generate a list of recipes that closely match their provided ingredient list, and filter out recipes based on dietary restrictions such as allergies, dietary restrictions, cuisine preferences, etc.
- User stories for MVP:
    - User story 1.1 “Login”
    - User story 1.2 “Ingredients Input”
    - User story 1.3 “Interface”
    - User story 2.1 “Getting Recipes”
    - User story 2.2 “Filtering Recipes”

Sanity check your release plan.

Is the plan within the team’s capacity? Given what you know about your team’s capabilities at this point, is the total amount of work doable (add up the story points for all user stories and compare with the team’s capacity).
Is the work distribution across sprints reasonable? Did you allow for time spent on infrastructure tasks and spikes? Holidays? Midterms?

Product backlog:

A listing of all high-level goals and user stories that were discussed in the release planning meeting, but which did not make it into the release at this point. User story priorities may change in the course of the project and therefore the PO may decide to downgrade some user stories currently in the release plan and promote some user stories currently in the backlog. The release plan and product backlog should be revisited and updated after each sprint.
The product backlog remaining at the end of the last sprint can serve as the starting point for a subsequent release

Definition of Done (DoD):

Team's opinion on when a user story/feature is completed. Is it after a team member demos the feature? Is it after the feature is tested? Is it after the feature is fully integrated into the main branch?

We define our Definition of Done as when:

- A team member implements the feature that passes all the acceptance criteria for that task
- A team member is finished testing the feature associated to the task and it passed all the tests

- A team member demos the completed feature for their task in our scrum or standup meetings successfully
- A team member moves their task in the Trello to “Done” list for that sprint
- A team member updates the burnup chart for that estimated time taken to complete that task
- A team member fully integrates the feature into the main branch
- All the tasks are completed for that user story then the user story is Done

Team Working Agreement:

- Holding in-person or remote scrum meetings 3 times a week
- Holding work/programming sessions together in person or remotely
- Our preferred method of communication is iMessage and Discord
- Referred to our Figma as a guide for our interface
- Frequently checked/updated Trello scrum board to stay on task