Release Plan

Product Name: iCook
Team Name: weCook
Release Name: iCook v.10
Release date: Jul 21, 2023
Revision Number: 1.0
Revision Date: Jun 30, 2023

High level goals:

For this release of iCook, we aim to achieve the following:

1. Enable users to upload and create their own unique recipes, complete with ingredients and step by step instructions
2. Facilitate saving and management of user-generated recipe with things like:
   a. searching functionality
   b. tags to sort recipes
3. Present user data in an intuitive and easy to use format

List of User Stories:

(Note: Sprint priorities are sorted top-down. The top entry has the highest priority)

Sprint 1:
- User Story 1.1: (5 points) As a user, I want to be able to create a new entry for a new recipe with a section for ingredients so that I have access to all my recipes with information about their ingredients saved.
- User Story 1.2: (5 points) As a user, I want to save user recipes locally so I can access them on my device at any time.
- User Story 1.3: (5 points) As a user, I want to be able to view the recipes that I have created.
- User Story 1.4: (3 points) As a user, I want to be able to view an individual recipe that I have created.

Sprint 2:
- User Story 2.1: (2 points) As a user, I want to edit components of recipes for future updates.
- User Story 2.2: (2 points) As a user, I want to delete recipes to get rid of ones I don't like.
- User Story 2.3: (2 points) As a user, I would like to be able to save nutritional information for my ingredients and meal
- User Story 2.4: (3 points) As a user I want to search recipes by a keyword so I can immediately find which recipes I want.
- User Story 2.5: (3 points) As a user, I want to add steps to recipes so that I can follow a process.
- User Story 2.6: (5 points) As a user, I want to add pictures of recipes to remember what the final product would look like.

Sprint 3:

- User Story 3.1: (2 points) As a user, I want to tag (lunch, dinner, vegetarian) & color code recipes in order to better organize them.
- User Story 3.2: (5 points) As a user, I want a calendar to plan meals so that I can organize my meals.
- User Story 3.3: (5 points) As a user, I want a shopping list of my planned meals ingredients so that I can easily shop for my chosen meals.
- User Story 3.4: (5 points) As a user, I want to be able to import and export my recipes so that I can transfer my recipes to another device or share with other users.

Infrastructure:
- API: SQLite C/C++ API (using React Native wrapper)
- Database: SQLite
- Frontend: React Native
- Backend: node.js, express.js

Product Backlog:
1. As a user, I want to be able to create a new entry for a new recipe with a section for ingredients so that I have access to all my recipes with information about their ingredients saved.
    a. Effort Estimations: 5 points
    b. Acceptance Criteria:
        - Users can enter a recipe title (name) , ingredients and quantities
        - Users can successfully perform CRUD operations.
2. As a user, I want to add steps to recipes so that I can follow a process.
    a. Effort Estimations: 3 points
    b. Acceptance Criteria:
        - Users can enter an unlimited amount of steps automatically formatted for each recipe entry
        - Steps can be modified during recipe creation, or modified for existing recipes.
3. As a user, I want to edit components of recipes for future updates.
    a. Effort Estimations: 2 points
    b. Acceptance Criteria:
        - Users can edit an existing recipe (ingredients, steps) without affecting other components
4. As a user, I want to add pictures of recipes to remember what the final product would look like.
    a. Effort Estimations: 5 points
    b. Acceptance Criteria:
        - Users can upload a picture to a recipe entry from their computer files.
        - Pictures are always visible whenever the recipe is opened.
5. As a user, I want to tag (lunch, dinner, vegetarian) & color code recipes in order to better organize them.
    a. Effort Estimations: 2 points
    b. Acceptance Criteria:
        - can add or remove a tag to an existing recipe (Update a DB entry)
        - (Bonus) be able to select the tag when creating the recipe
6. As a user, I want to save user recipes locally so I can access them on my device at any time.
    a. Effort Estimations: 5 points
    b. Acceptance Criteria:
        - Users can perform CRUD operations on their local DB

7. As a user, I want to delete recipes to get rid of ones I don't like.
    a. Effort Estimations: 2 points
    b. Acceptance Criteria:
        - Users can delete recipes including ingredients and tags, without affecting existing recipes
8. As a user, I would like to be able to save nutritional information for my ingredients and meals(Calories? Macros? Dietary categories?)
    a. Effort Estimations: 2 points
    b. Acceptance Criteria:
        - Recipe entries and/or ingredients have display calories
        - (Bonus) Recipes display macronutrients and dietary categories
9. As a user, I want a calendar to plan meals so that I can organize my meals.
    a. Effort Estimations: 5 points
    b. Acceptance Criteria:
        - Users can schedule meals on a calendar by selecting recipes from the ones they have saved in the app.
        - Can view scheduled meals on a calendar.
10. As a user, I want a shopping list of my planned meals ingredients so that I can easily shop for my chosen meals.
    a. Effort Estimations: 5 points
    b. Acceptance Criteria:
        - a list with all ingredients from recipes on calendar is available
        - with a total amount of quantity per ingredient listed ?
11. As a user I want to search recipes by name, tag, or ingredient so I can immediately find which recipe I want.
    a. Effort Estimations: 3 points
    b. Acceptance Criteria:
        - Users can search for a recipe using a search bar and have recipes with the matching search input returned.
        - Simply return all recipes that include the searched text in their DB entry
        - have a way to clear searches
12. As a user, I want to be able to import and export my recipes so that I can transfer my recipes to another device or share with other users.
    a. Effort Estimations: 5 points
    b. Acceptance Criteria:
        - Users can export individual recipes as a usable format
        - Users can export all recipes in a usable format
        - (if selection exists) export all selected recipes
        - Users can import that usable format
13. As a user, I want to be able to view an individual recipe.
    a. Effort Estimations: 3 points
    b. Acceptance Criteria:
        - Users can view an individual recipe
        - Users have the button to edit the recipe (doesn't have to work)