



## **Team 1 - Project Backlog**

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### **Problem Statement:**

In today's fast-paced world, people are constantly seeking convenient and diverse culinary experiences from the comfort of their homes. The ability to search, rate, and save recipes will enable these users to connect with exciting recipes. Additionally, there is a need for a centralized recipe platform that eliminates unnecessary pages of text at the beginning of the recipe included only to increase ad space. To address these challenges and fulfill the growing demand for a user-friendly recipe-sharing platform, we aim to develop a robust recipe sharing website that offers a wide range of features, customization options, and a vibrant community for passionate home chefs and food enthusiasts.

### **Background Info:**

- **Audience:**  
RecipeQuest is designed for home and hobby chefs, streamlining the process of discovering, planning, and preparing meals, whether it's for a weekly meal plan or a gourmet feast for special occasions.
- **Similar Platform:**  
There are many other recipe sharing sites such as Yummly, Allrecipes, and Tasty. They allow users to upload and search recipes.
- **Limitations:**  
Many of the above described platforms limit the user with cumbersome recipe pages and lots of bloated features. RecipeQuest is made for simple and fast searching, based on the ingredients the user has, or dietary restrictions the user may have. Additionally

RecipeQuest puts a strong emphasis on user interaction as it also functions as a form/blog where users can interact to find, improve, or design new recipes.

## **Functional Requirements:**

### **A) User Account:**

- As a user, I would like to be able to create a RecipeQuest Account with a google account
- As a user, I would like to be able to create a RecipeQuest Account with email
- As a user, I would like to be able to log in to my RecipeQuest Account
- As a user, I would like to be able to reset my password if I forget it
- As a user, I would like to be able to delete my account and all associated data

### **B) User Profile:**

- As a user, I would like to be able to make a profile visible to other users with my name and bio
- As a user, I want to be able to change my profile details at any time
- As a user, I would like to make my profile private and hidden from other people
- (if time allows) As a user, I would like to upload a profile picture

### **C) Recipe Posting:**

- As a user, I would like to be able to post recipes by filling in a form
- As a user, I would like to be able to tag recipes with its ingredients
- As a user, I would like to be able to tag recipes with keywords
- As a user, I would like to be able to edit my recipes when needed
- As a user, I would like to be able to delete my recipes when needed
- (if time allows) As a user, I would like to be able to upload pictures to my recipes

### **D) Recipe Viewing:**

- As a user, I would like to be able to save recipes to my account to be viewed later
- As a user, I would like to be able to search for recipes by keywords
- As a user, I would like to be able to search for recipes by ingredients
- As a user, I would like to be able to see my posted recipes in a list
- As a user, I would like to be able to place recipes in a virtual “shopping cart” and generate a list of the necessary ingredients to make all recipes in the cart.
- As a user, I would like to be able to rate a recipe out of 5 stars.
- As a user, I would like to be able to organize my recipes into different lists (like playlist but for recipes)
- As a user, I would like to be able to leave a comment on a recipe
- As a user, I would like to be able to see recipes from users that I follow on a separate page

### **E) Home Page:**

- (if time allows) As a user, I would like to receive recommended recipes

### **F) User Interaction:**

- As a user, I would like to be able to follow other users
- As a user, I would like to be able to unfollow other users
- As a user, I would like to be able to search for other users by username

## **Non-Functional Requirements:**

### **Architecture and Performance**

We plan to make a website using React JS. The website should run smoothly without crashing. Website navigation will be responsive and quick. I would like the website to load the main page completely within 3 seconds. Our server will be made with Node JS. We would like our server to be able to handle 1,000 users. The website should have a maximum downtime of 1 hour per month.

### **Security**

The most important security concern in RecipeQuest will be storing sensitive user information. We will use Firebase in order to manage this information, such as emails and passwords. Firebase is a widely used login service which places a priority on protecting user data. Taking advantage of this service will save time for us, and increase the security of users' sensitive data.

### **Usability**

The website should be easy to navigate and use for the average person. It will have an intuitive design, using UI menu setups common in other websites. We will have a quick, intuitive way to access user profiles and settings. The website will be compatible with all common browser types and screen sizes. The recipe pages will contain only the necessary information in an organized manner. The website will minimize response time for user navigation.