REZO (Recipe Zone) APP

Stay safe with healthy food!

Our Team

Annamalai
Balasubramanian

Sapna
Maduraimuthu

Dazzling Dynamites

Project Overview

Our Project idea is to develop a mobile app, **Recipe Book** that shows the user about the instructions on how to prepare a specific food item along with the additional information like the ingredients, nutrients, servings, and preparation time.

The user can search with a particular keyword like "Pizza" and it would display all the available food recipes for Pizza.

After which the user can add a ***specific food recipe to the wish list*** if they like the recipe and scroll through the wish-listed food recipes later.

Software Requirements

Tools used

- **Expo CLI** and **React Native** is used to Build the Application.

- **Firebase User Authentication** is used to Authenticate the existing user and to create a new user.

- **Firebase Database** for the Mobile Backend.

- **RecipesAPI** is used extract the recipe details along with the ingredients, nutrients, and servings for a particular food item.

Project Approach

- Create a well-designed foreground user interface that appeals to a large user base.

- Proper Integration with the Firebase to authenticate the User and to create a new User.

- Maintaining the list of user's Wish listed food recipes in the firebase database.

- Ensuring the stability of the App without crashing.

- Integration with the existing web API, RecipesAPI.
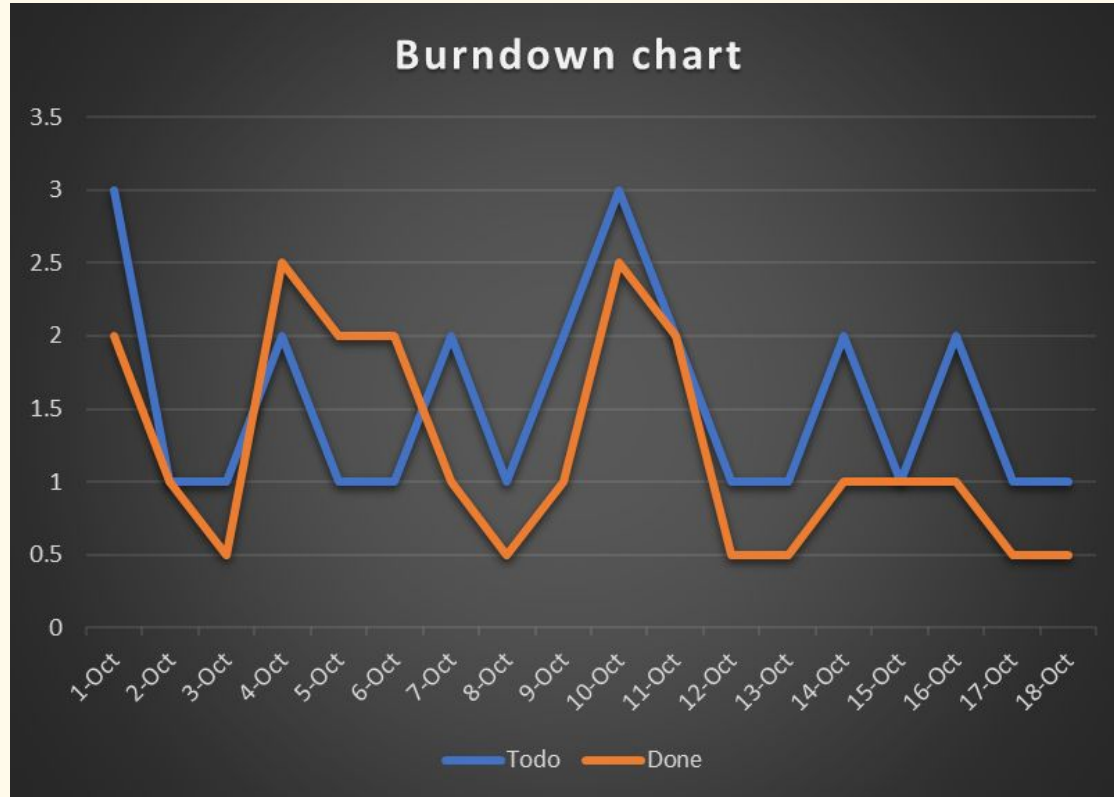
Roles & Responsibilities

- To Equally Distribute the functional requirements for a use case.
- To create a ***well-designed foreground user interface*** for ***Login Screen*** and ***Signup Screen*** that appeals to a large user base with proper validation on the user data.
- To integrate with ***Firebase*** to authenticate the User and allows to maintain the new user data.
- To create a ***Home Screen*** that displays the scrollable list of food recipes when searched using a keyword.
- To integrate with the Recipes Api to fetch the details of the food item.
- To create the ***Recipe List screen*** and to manage the details to be displayed on the screen ; and to create a wishlist button to add a favorite recipe to the wishlist
- To create a ***Wishlist screen*** that displays the wishisted food recipes.
- To implement a functionality to ***Log out*** from the app using a Button.

Annamalai Balasubramanian - Login Screen , Sign up Screen, Wishlist screen
Sapna Maduraimuthu - Home Screen , Recipe List Screen and Logout functionality

Traction

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Use Case Description

Use Case Name: Details about the Food Recipe   **ID:** 1

Importance Level: High

Primary Actor: Registered User **Use Case Type:** Essential

Stakeholders and Interests:

User - wants to browse the recipe for a particular food item and add an item to the wish list

Brief Description:

The use case describes how the user browses the recipe for a particular food item and retrieves all the details regarding them

Trigger:

A user gets all the information from Recipes API on how to prepare a food item along with additional info such as the ingredients, nutrients, servings, and preparation time

Type: External

Relationships: Association: Registered User and the Firebase Database which acts as the administrator, Include: All the Food Recipes in the search bar,

Normal Flow of Events:

1. The User enters the Home screen after the successful Login and searches for a specific food recipe from the search bar provided
2. After selecting the particular food recipe, the user clicks on the item which triggers a request to the Recipes API, and the response is displayed which includes details like Ingredients, Instructions on how to prepare the food item, nutrients, servings, preparation time cooking time and the image of the food item.
3. Upon viewing the details of the food recipe, the user can either add a specific food recipe to the wish list or not based on their interest.
4. If the food recipe is wish listed, the user can navigate back to the home screen where they can click the wish list button on the top right corner to view the items that are wish listed.
5. If the user does not wish to list any item and wants to exit from the app, then they can press the Logout button at the top left corner to exit from the app.

Alternate/Exceptional Flows:

Invalid credentials which do not allow the user to login into the app

Invalid API Response key from the Recipes API

Use Case Description

Successful Login / Sign Up for the User

- Login Activity – The user can login to the App by using a valid Email / Password that will be present in the Firebase.

- If the user haven't registered into the app , then they can create a new account by signing up with the Email / Password.

- Upon successful creation of the account, the user will now be able to log into the Home screen that displays the list of food recipes.

Use Case Description

Successful Login / Sign Up for the User - Functional and Non-Functional Requirements
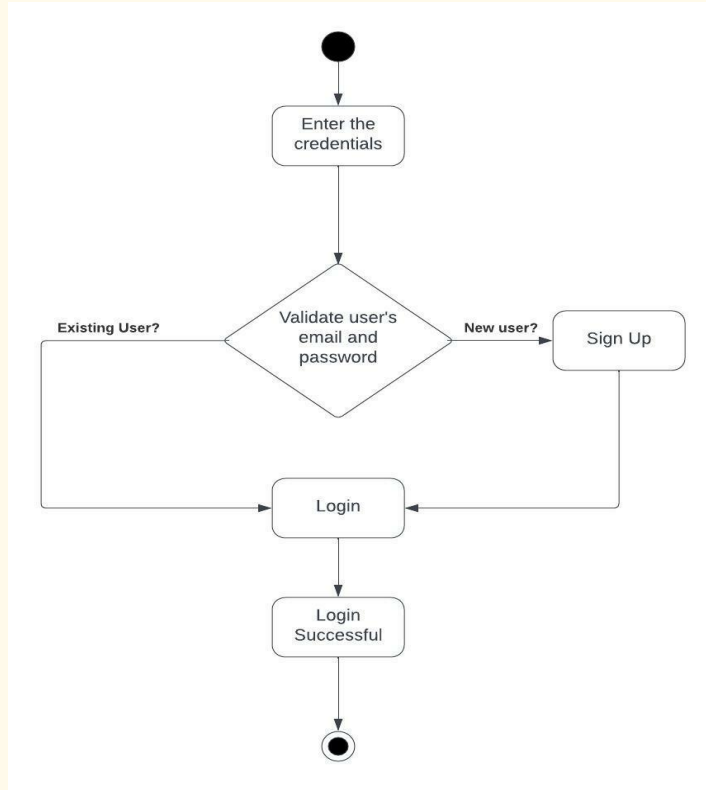
Functional Requirements:

1. The login page shall be displayed where the existing user can log in to the application by clicking the login button and it shall search for the user record in the database and log in to the application if the record matches.
 2. The "sign up" button shall be displayed next to the "login" button, allowing a new user to register using an email address and a password.

Non-Functional Requirements:

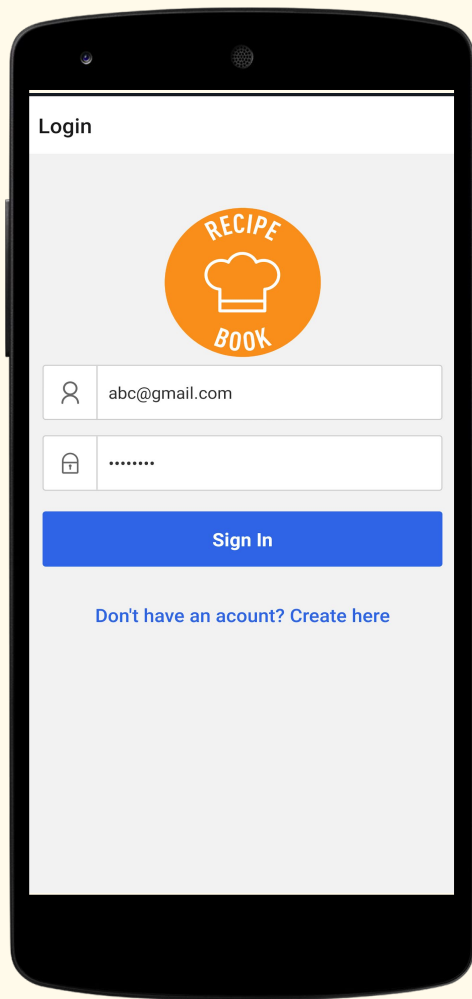***Usability -*** The app shall be easy to use and have a user friendly interface.

Activity Diagram

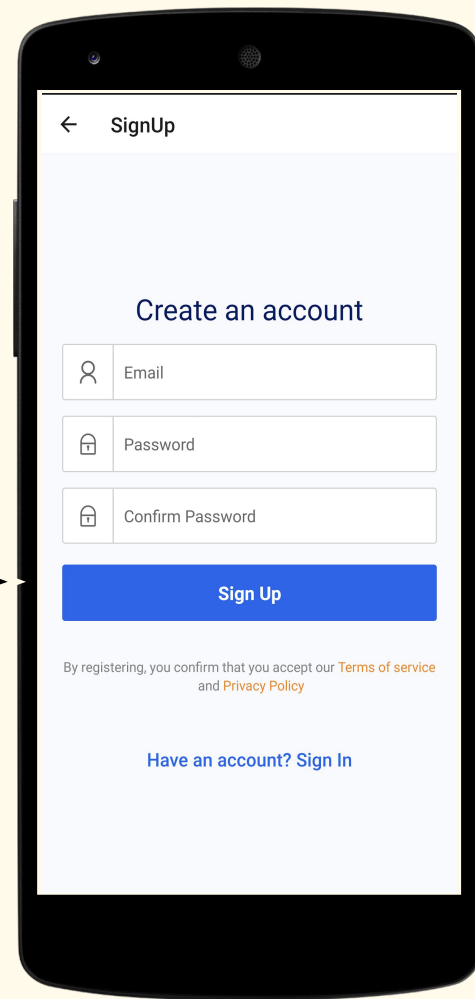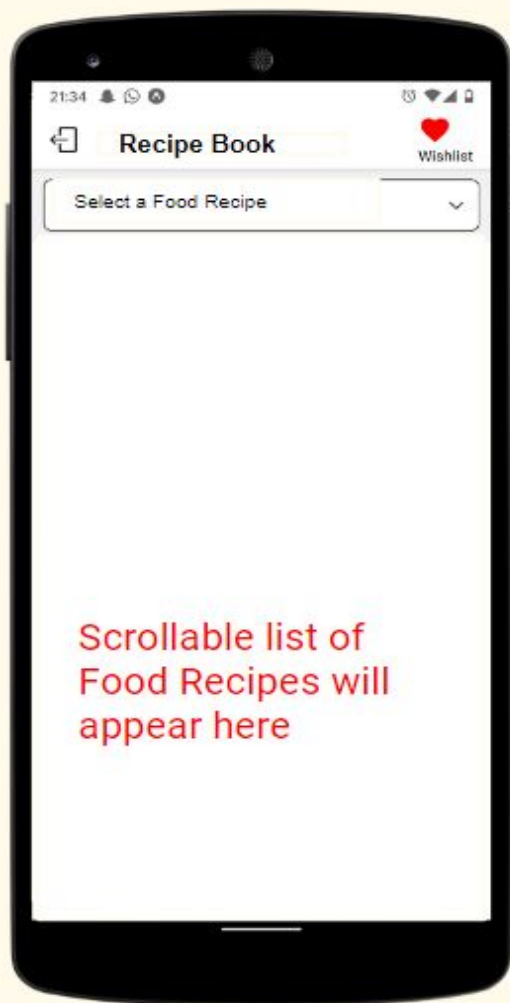## Successful Login / Sign Up for the User

Product Mockup

Login

RECIPE
BOOK

abc@gmail.com

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Sign In

Don't have an acount? Create here

Already have an account?

Login

SignUp

SignUp

Create an account

Email

Password

Confirm Password

Sign Up

By registering, you confirm that you accept our Terms of service and Privacy Policy

Have an account? Sign In

Any Questions?