

# MODULE 2

## Recipe Sharing App

### (FINAL ASSESMENT)

#### 1. Project Overview

- **Project Name:** Recipe Sharing App
- **Objective:** Users ko recipes share karne aur doosron ki recipes dekhne ka platform provide karna.

##### Key Technologies:

- **Frontend:** HTML, CSS, JavaScript, ES6
- **Backend:** Firebase (Authentication, Firestore, cloudinary)

#### 2. Features

##### User Authentication

- **Login/Signup:** Implement secure login and signup functionality using Firebase Authentication.
- **Logout:** Provide a logout feature to securely sign users out of their accounts.
- **Forgot Password:** Enable password recovery via email using

Firebase's password reset functionality, ensuring users can regain access to their accounts.

- **Google Login Integration:** Integrate Google Login for a seamless sign-in experience.

## Recipe Management

- **Add Recipe:** Fields( Recipe Name , Description,Ingredients Cooking Steps, Category (Dropdown: e.g., Vegetarian, Non-Vegetarian, Desserts, etc.),Upload Image )

(Cloudinary for image upload. Save recipe data in Firebase Firestore.)

- **View Recipes:** List of recipes (grid view).Show recipe name, image, category, and a "View Details" button.Implement pagination or infinite scroll for loading recipes.
- **Recipe Details:** Full recipe details page(Recipe Name, Description, Ingredients, Cooking Steps, Uploaded Image, Option to "Like" or "Favorite" recipes.)
- **Edit/Delete Recipe:** Only the user who added the recipe can edit or delete it.
  - **Edit functionality:** Update recipe details and replace image (if needed).

- **Delete functionality:** Remove recipe from Firestore and associated image from Cloudinary.

## Search and Filter

- **Search recipes by:**
  - i. Recipe Name.
  - ii. Ingredients (optional).
  - iii. Filter by Category.

## Favorite Recipes

- **Favorite Recipes:**
  - i. Users can mark recipes as "Favorite."
  - ii. Display a "My Favorites" section for each user.

# 3. Optional Features

- **Rating System:** Allow users to rate recipes with a star or numerical rating, and display average ratings to help others choose recipes.
- **Comments Section:** Add a comments section where users can leave feedback or share tips about the recipe, fostering community interaction.
- **Recipe Sharing:** Integrate social sharing options (e.g., Facebook,

WhatsApp) to allow users to share their favorite recipes directly from the platform.

- **Push Notifications:** Notify users about new recipes, comments on their submissions, or updates to their saved recipes using Firebase Cloud Messaging.

**Happy Coding!**

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