ROLL-NUMBER:202311113

DATE : 14/07/2025

MOBLIE APPLICATION

Recipe Sharing App - Documentation

Overview

The Recipe Sharing App is a Flutter-based mobile application integrated with Firebase and Appwrite. It enables users to register, log in, upload recipes with images, browse shared recipes, like them, and manage their profile.

Objectives

- Implement user authentication

- Store user and recipe data in Firestore

 - Upload and retrieve images via Appwrite

- Build a clean UI using Flutter

- Enable search, tag filtering, and liking of recipes

Core Features

- User Auth (register/login/logout)

- Add/edit/delete recipes

 - Search & tag filtering

- Like system

 - User profile

Technical Stack

Frontend: Flutter

Backend/Auth: Firebase Authentication

Database: Firebase Firestore

Image Storage: Appwrite

Firestore Structure

/users/{userId} stores profile data

/recipes/{recipeId} stores recipe metadata including imageUrl, tags, likes, etc.

Screens Overview

 - LoginScreen

- RegisterScreen

- HomeScreen

- Add/Edit Recipe Screens

- RecipeDetailScreen

- ProfileScreen

Search & Filtering

 Search by recipe title

 Tag filtering with clickable chips

Like System

Tracks likes per recipe, supports toggle like/unlike

UI/UX Design

Sky blue background, light purple cards, clean layout

Setup Instructions

 1. Run `flutter pub get`

2. Configure Firebase & Appwrite

 3. Add `google-services.json`

 4. Run with `flutter run` Recipe Sharing App – Documen

Future Enhancements

- Comments

 - Ratings

- Push notifications

 - Offline support