**ROLL-NUMBER:202311113**

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**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