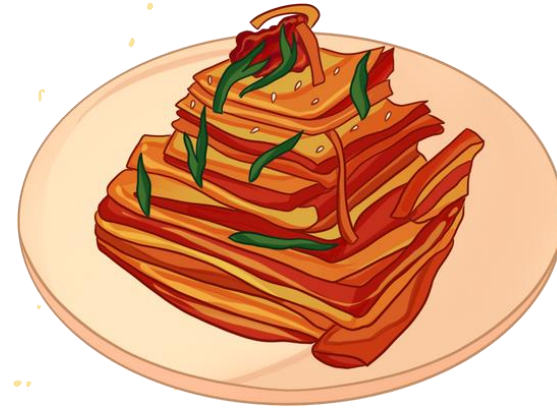




Ministry of Communications
and Information Technology



جامعة مصر للمعلوماتية
EGYPT UNIVERSITY
OF INFORMATICS



Food Planner Application



Group Code:
CAI1_SWD4_G1e




Project Overview

Simplifying meal planning by offering a mobile app that helps users organize and plan their weekly meals. It allows users to browse, save, and view meal details, even offline.





Key Features



**User
Authentication**

**Meal of the
Day**

**Meal
Search**

**Favorite
Meals**

**Meal
Planning**

**Meal
Categories**

**Guest
Mode**

**Offline
Access**

User Authentication AND Guest Mode



User Authentication:
Provides user login/signup
options using Firebase
Authentication.

Guest Mode:
Allows users to explore meal
categories and daily
suggestions without requiring
an accounts



Meal of the Day AND Meal Categories



Meal of the Day:

Displays a random meal suggestion each day to inspire users.



Meal Categories:

Users can view meals categorized by type, country, or ingredient.



Meal Search

Allows users to search for meals based on various filters like country, ingredient, or category.

Favorite Meals

Users can add and remove meals from their favorite list, stored locally.



Meal Planning

Enables users to add meals to their weekly meal plans for better organization.



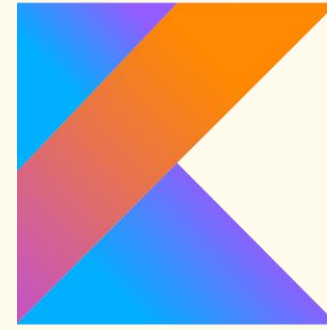


Offline Access

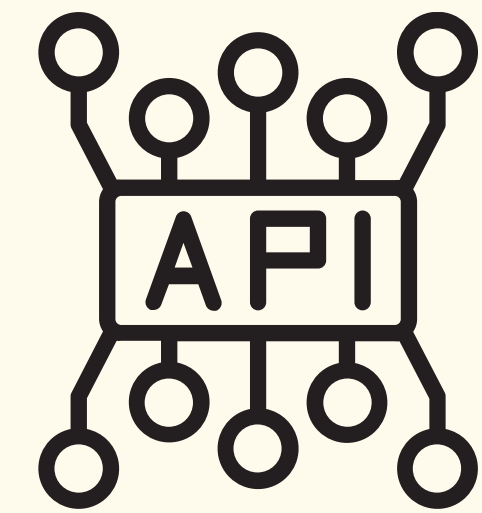
Saved favorite meals are accessible even when there's no internet connection, thanks to local storage using Room database.



Room Database



Kotlin



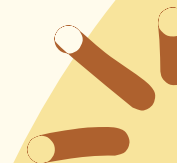
Retrofit



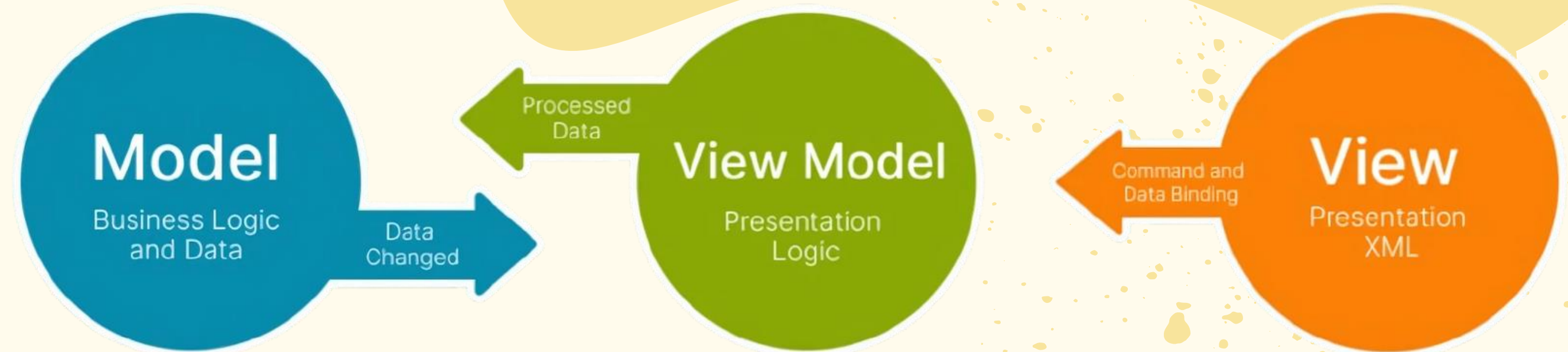
android



**Firebase
Authentication**



Technologies and Tools



Technologies and Tools



- 1 Android Studio: The main IDE for coding and debugging the application.
- 2 Firebase Authentication: Handles user login and registration, including social logins like Google.
- 3 Room Database: Manages local data storage, enabling offline access to favorite meals.
- 4 Retrofit: For network requests to fetch meal data from APIs.
- 5 MVVM: Improves modularity and testability by separating UI from business logic.

Thank you

