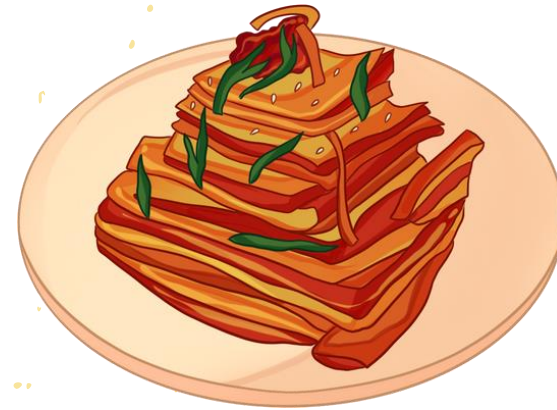




Ministry of Communications  
and Information Technology



جامعة مصر للمعلوماتية  
EGYPT UNIVERSITY  
OF INFORMATICS



# Food Planner Application



Group Code:  
**CA11\_SWD4\_G1**

e





# 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**

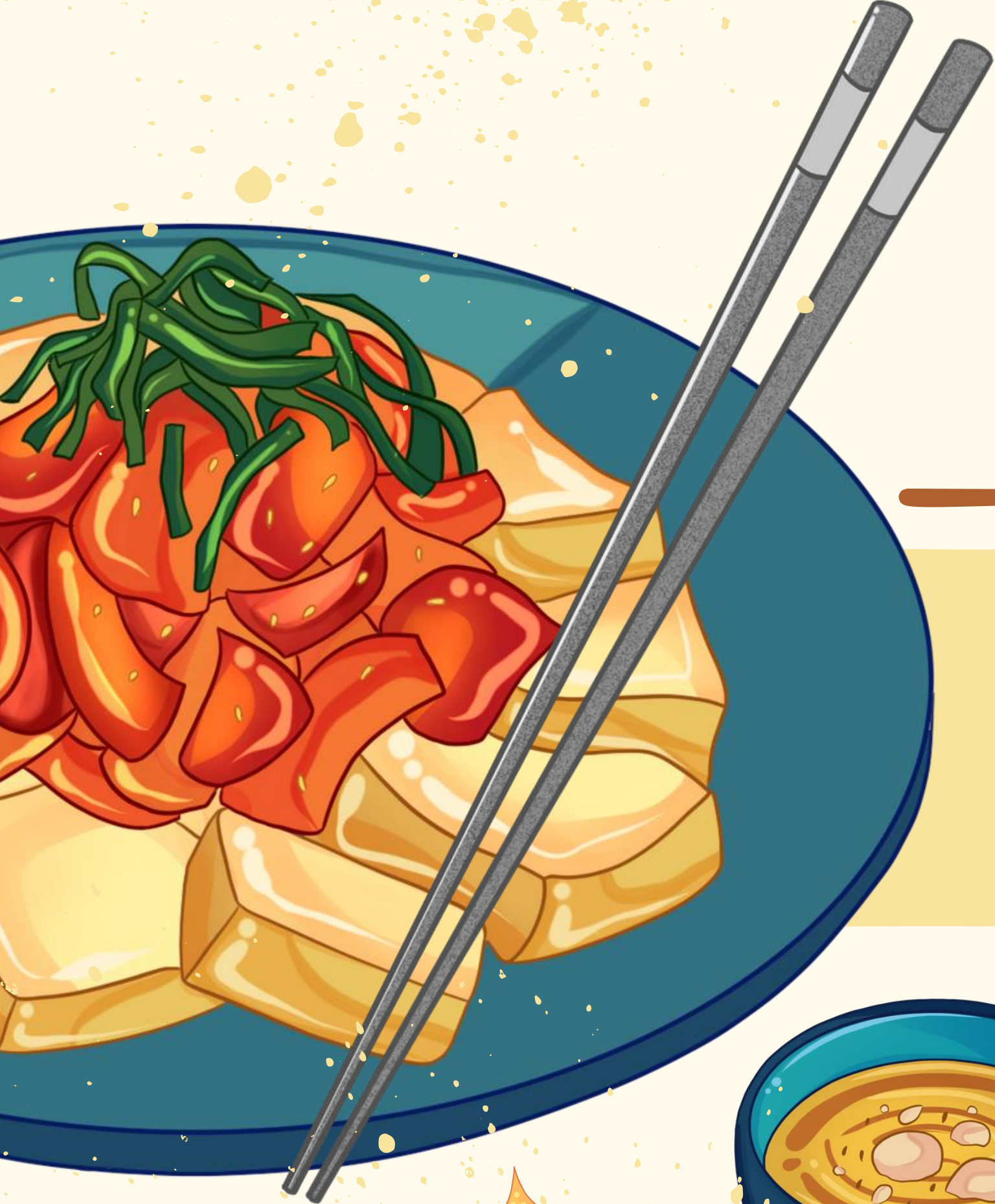


**User Authentication:**  
Provides user login/signup  
options using Firebase  
Authentication.

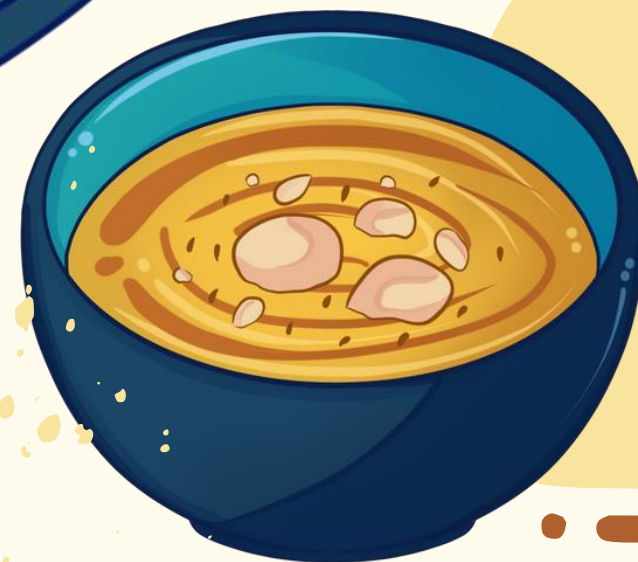
**Guest Mode:**  
Allows users to explore meal  
categories and daily  
suggestions without requiring  
an accounts



# 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.**



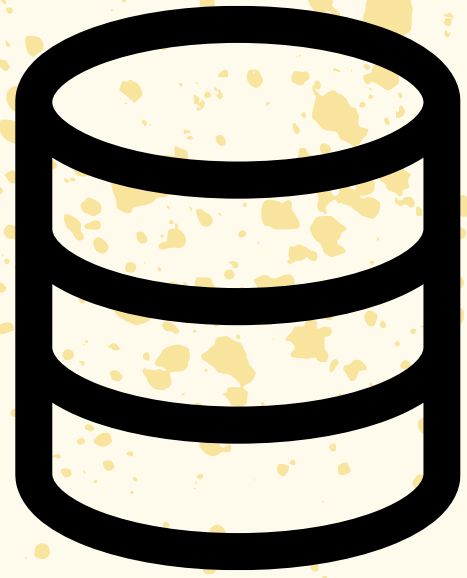




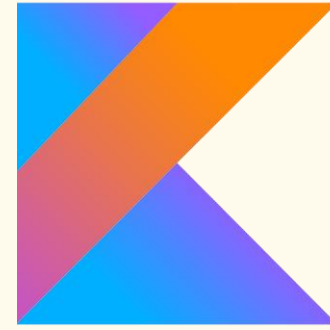
# Offline Access

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

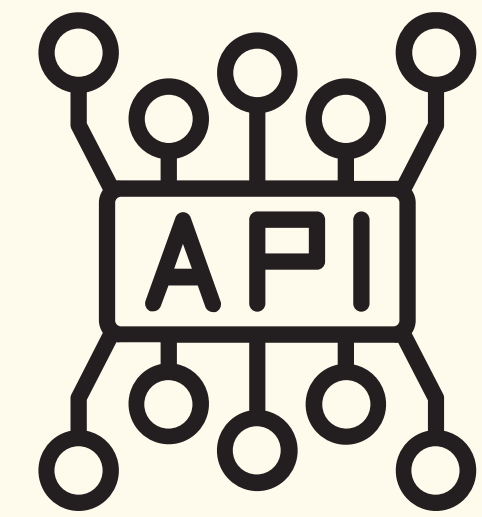




**Room Database**



**Kotlin**



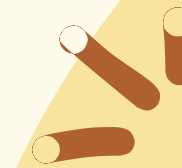
**Retrofit**



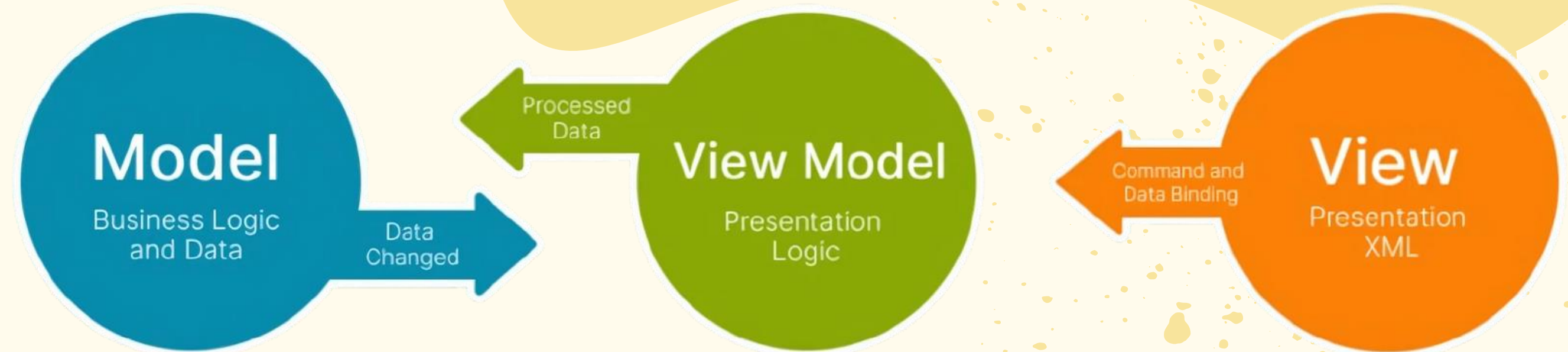
android



**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**

