README

MealSuggester2  
  
Overview  
  
MealSuggester2 is a simple and fun Android app built using Jetpack Compose (Kotlin) that helps users decide what to eat based on the time of day. The app provides meal suggestions for different periods (morning, mid-morning, afternoon, mid-afternoon, dinner, and after dinner) and features an intuitive, user-friendly interface.  
  
Features  
  
✅ User Input for Time of Day – Users can enter a time of day (e.g., “Morning,” “Afternoon”).  
✅ Meal Suggestions – Displays relevant meal suggestions based on the input.  
✅ Reset Button – Allows users to clear the input and reset the app.  
✅ Jetpack Compose UI – Modern UI without XML layouts.  
✅ Real-time Error Handling – If an invalid input is entered, a message is displayed.  
✅ Lightweight & Fast – No unnecessary dependencies, making it efficient.  
  
Tech Stack  
  
Language: Kotlin  
Framework: Jetpack Compose  
IDE: Android Studio  
Architecture: Single-Activity Compose-based  
Installation  
  
Prerequisites  
Android Studio Giraffe (2023.1.1) or later  
Kotlin 1.8 or later  
Java 11 or later  
An Android emulator or a physical device running Android 8.0+ (API 26+)  
Steps to Clone and Run  
Clone the Repository:  
git clone [https://github.com/YOUR\_GITHUB\_USERNAME/MealSuggester2.git](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgithub.com%2FYOUR_GITHUB_USERNAME%2FMealSuggester2.git&data=05%7C02%7Cst10444912%40vcconnect.edu.za%7Cffb3582585ed45f1da7c08dd7233b542%7Ce10c8f44f469448fbc0dd781288ff01b%7C0%7C0%7C638792288636176719%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=W%2BkbCXn5Kh9jY6qX2U67ECDbvjdQrCc0dwHcbdzB4Pk%3D&reserved=0)cd MealSuggester2  
Open in Android Studio  
Open Android Studio.  
Click Open an Existing Project.  
Select the cloned MealSuggester2 folder.  
Run the App  
Click the Run button ▶️ in Android Studio.  
Choose a virtual device or connect your phone via USB (enable USB debugging).  
  
How It Works  
  
The user enters a time of day (Morning, Afternoon, etc.).  
The app checks the input and suggests a meal.  
If the input is invalid, it notifies the user.  
The Reset button clears the text field and the suggestion.  
Possible Enhancements  
  
🔹 Dark Mode Support  
🔹 Better UI Design (Animations, Colors)  
🔹 Database Integration (Save meal preferences)  
🔹 Voice Input Feature  
  
Contributing  
  
Fork the repo  
Create a new branch  
git checkout -b feature-your-feature  
Commit your changes  
git commit -m "Added a new meal suggestion"  
Push to GitHub  
git push origin feature-your-feature  
Submit a pull request (PR)  
License  
  
📜 MIT License – Feel free to use and modify this project!  
  
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Github: