Project Update 1

Course Code & Section: CSE299.4   **Project Group No.:** 2
Group Members:
Akram Hossain Apu Khan – 2231090642
Mehedi Hasan Dip – 2232167042
Hacibull Hashan Tosher – 2111626642

Project Overview:
ModifAI is a mobile application that uses Artificial Intelligence to assist users in interior decorating. Users can upload a photo of their room and receive design suggestions generated by an AI model. The goal is to simplify the interior design process through an easy-to-use mobile interface.

Work Completed:
This week, we completed the development of the core UI screens, including the welcome, login, signup, home, and profile pages. Navigation between these pages is fully functional. The layout has been tested on standard Android devices.

Current Challenges:
We are facing two main issues:

1. Some UI elements are not rendering properly on devices with different screen sizes.
2. The AI model is not yet connected due to backend API key and communication issues.

Next Steps:

● Integrate the AI model using the correct API key.
● Resolve UI rendering inconsistencies across devices.
● Establish a stable connection between the frontend and backend for AI requests.

Tools and References:

● Flutter (UI), Python (backend)
● OpenAI API documentation
● YouTube tutorials and Flutter docs (properly cited if used)

Conclusion:
The project is progressing steadily. With the UI framework in place, the focus is now on backend integration and interface refinements. We expect to have the AI model functional within the next development cycle.