Project Update 3

Course Code & Section: CSE299.4   **Project Group No.:** 2
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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 implemented a chat system within the application. A functional chat interface was designed and successfully integrated into the home page. The UI for the chat is now part of the app's navigation structure, allowing users to access it directly from the home screen.

Current Challenges:
 Although the chat interface has been added, the chat API is still not connected due to ongoing integration issues. Additionally, several bugs have been identified in the chat UI that affect usability and layout consistency across different devices.

Next Steps:

- Fix the API connection issue to enable real-time chat functionality.

- Resolve existing bugs in the chat interface to ensure smooth interaction.

- Enhance the overall UI design for improved user experience and visual appeal.

Tools and References:

- Flutter (UI), Python (backend)

- OpenAI API documentation

- ChatGPT (OpenAI, 2025) for code debugging and structuring support

- YouTube tutorials and Flutter documentation for UI and navigation implementation

Conclusion:
 The addition of the chat system marks an important step toward improving user interaction within ModifAI. Once the API and UI issues are resolved, the chat feature will significantly enhance the app's functionality. We will continue working on integration and interface improvements in the upcoming week.