

Build an AI Chat Application

Objective

Develop a small AI-powered chat application where:

1. Customers can send messages through a user-friendly interface.
2. AI responds to the messages using a simulated backend.

Tech Stack

- **Frontend:** Next.js (App Router)
- **Styling:** Tailwind CSS, ShadCN UI components
- **AI Logic:** Use OpenAI API (or mock API) for AI responses
- **Other Libraries:** Axios/Fetch for API calls (AI Server Action will be a huge plus)

Features

- **Message Input**
 - A text input box for customers to type their messages.
 - A "Send" button to submit the message.
- **Chat Display**
 - Display a conversational view of messages (both customer and AI).
 - Different styles for customer and AI messages.
- **AI Response Simulation**
 - Integrate OpenAI API or a mock backend for AI responses.

Deliverables

- Fully functional chat application with the features mentioned.
- GitHub repository link with a README file that includes:
 - How to run the project locally.
 - Brief explanation of your implementation.
- Demo (hosted link on Vercel is a plus).
- Short Video Tutorial (Optional)