Here's a comprehensive prompt that would allow me to create this entire chatbot project from scratch:

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\*\*"Create a web chatbot with the following specifications:\*\*

\*\*Frontend:\*\*

- Single HTML page with a modern chat interface

- User messages on the right (blue), bot messages on the left (gray)

- Input field and send button at the bottom

- Auto-scroll to latest messages

- Session management using localStorage

\*\*Backend:\*\*

- Vercel serverless function at `/api/chat.js`

- OpenAI GPT-3.5-turbo integration for responses

- Supabase database integration for conversation persistence

- Table structure: 'Conversations' with columns: id, created\_at, conversation\_id, messages (jsonb)

- Session-based conversation history storage and retrieval

\*\*Features:\*\*

- Persistent conversations across browser sessions

- System prompt: 'You are a helpful chatbot. If the user tells you their name, remember it and use it in future responses. If the user asks 'Who am I?' or 'What is my name?', answer with the name they provided. If you don't know, ask them to tell you their name.'

- Error handling for database operations and API calls

- Environment variables for OpenAI API key, Supabase URL, and Supabase service role key

\*\*Dependencies:\*\*

- openai, @supabase/supabase-js, cors, dotenv, express

\*\*Deployment:\*\*

- Configured for Vercel deployment

- Environment variables set in Vercel dashboard

- Static frontend served by Vercel

\*\*File Structure:\*\*

- index.html (frontend)

- api/chat.js (serverless function)

- package.json (dependencies)

- .env (local environment variables)

Create all necessary files with proper error handling and documentation."

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This prompt includes all the technical specifications, features, and requirements needed to recreate your entire chatbot project without needing additional clarification.