AI ChatBot Project - Explanation

1. Project Overview

This project is a single-page web-based chatbot interface built using HTML, CSS, and JavaScript. It connects to the OpenRouter API and uses the Mistral-7B model to simulate AI-based conversation. It's designed as a free, visually attractive GPT alternative under the project name 'AI ChatBot'.

2. Technologies Used

- HTML: To structure the content and UI layout.
- CSS: For styling the user interface with responsive and modern design.
- JavaScript: To handle chat functionality, make API requests, and dynamically update the chat window.
- OpenRouter API: Provides access to the Mistral-7B AI model.

3. Project Features

- Clean and modern UI using Google Fonts and CSS gradients.
- Responsive design for mobile and desktop.
- Message bubbles for user and bot.
- Scroll-to-latest message feature.
- Enter key and send button both trigger message sending.

4. How it Works

1. User types a message in the input box.
2. JavaScript appends the message to the chat window and sends it to OpenRouter API.
3. The API returns a response from the Mistral model.
4. The bot's reply is displayed in the chat window.

5. Setup Instructions

1. Replace `YOUR_OPENROUTER_API_KEY` in the code with your real OpenRouter API key.
2. Save the file as `index.html`.

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3. Open the file in any browser to test.

4. To publish on GitHub:

  - Initialize git

  - Push to your GitHub repository

  - Enable GitHub Pages from settings.

6. Security Note

Do not expose your OpenRouter API key in public repositories. Consider using server-side routing or environment variables for production apps.

7. Author & License

This project, AI ChatBot, was created by the user for learning and deployment purposes. You are free to modify and use it as long as you credit the original source.