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Medical Center Chatbot (Flask + HTML)

This project is a simple chatbot web application designed to provide information about a medical center. It uses Flask for the backend and HTML/CSS/JavaScript for the front-end user interface.

# Project Structure

The project consists of the following files and directories:

• app.py - Flask backend with chatbot logic  
• templates/index.html - Front-end chat interface

# 1. Flask Backend (app.py)

The backend is built using Flask. It defines two routes:  
• '/' - Renders the HTML page.  
• '/get' - Handles POST requests from the front-end and returns chatbot responses.

The function `chatbot\_response()` contains rule-based responses to common medical center questions such as:  
- Working hours  
- Departments  
- Booking appointments  
- Emergency contact

# 2. Front-end (index.html)

The HTML file contains a styled chat interface using CSS. It has:  
- A header with the chatbot title  
- A message display area (chat-log)  
- An input box and a send button

JavaScript functions:  
- `send()`: Sends user input to the Flask server via fetch POST request.  
- `addMessage()`: Appends messages to the chat log.  
- `handleKey()`: Enables pressing 'Enter' to send messages.

# 3. How to Run the Project

1. Ensure Python and Flask are installed.  
2. Place 'app.py' and 'index.html' (inside 'templates' folder) in the same project directory.  
3. Open terminal in the project directory.  
4. Run the command: python app.py  
5. Open browser and go to http://127.0.0.1:5000/

# Summary

This chatbot serves as a helpful assistant for patients and visitors to get quick answers about a medical center. It can be further enhanced with AI models, database integration, and more advanced UI features.