

## Deployment instructions

### **Chatbot Frontend:**

Go to frontend directory. Typing python3 -m http.server in terminal.

Open localhost:8080 in a browser.

### **Chatbot backend:**

Go to chatbot/app/demo directory. sudo pip3 install -r requirements.txt

Go to chatbot/app/demo directory. Typing python3 \_\_init\_\_.py in terminal.

### **Timeslot backend:**

Go to timeslots directory. Typing following commands in terminal.

sudo docker build -t timeslots .

docker run -p 7778:7778 -t timeslots \_\_init\_\_.py

### **Doctors backend:**

Go to doctors directory. Typing following commands in terminal.

sudo docker build -t doctors .

docker run -p 7777:7777 -t doctors \_\_init\_\_.py

## API documentation

Chatbot API: <http://127.0.0.1:12345/static/swagger-ui/index.html>

Doctors API: <http://127.0.0.1:7778/static/swagger-ui/index.html>

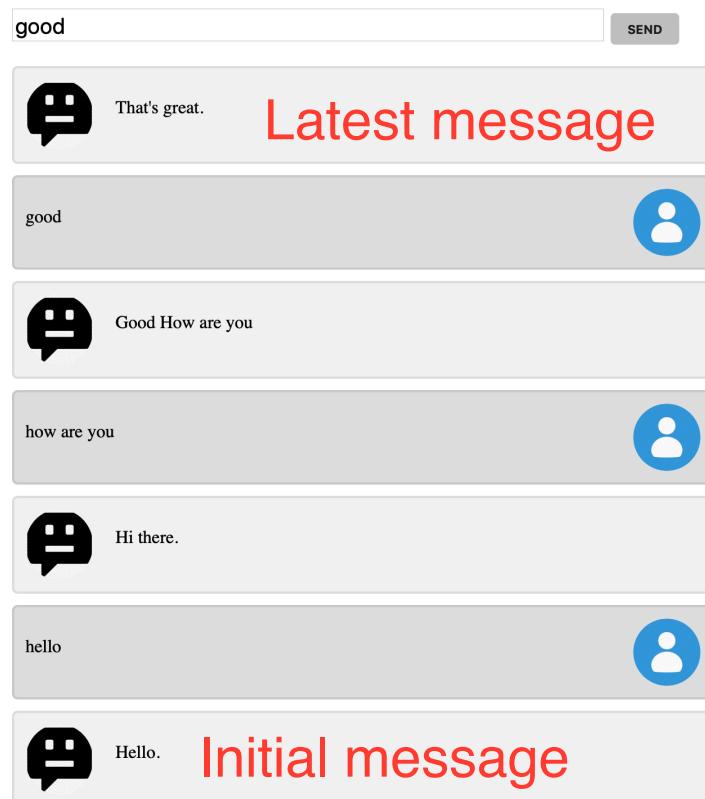
TimeSlots API: <http://127.0.0.1:7777/static/swagger-ui/index.html>

## Persisting resources:

Data is stored using python dictionaries as a persisting data source. This is done by using python pickle module.

# User Manual

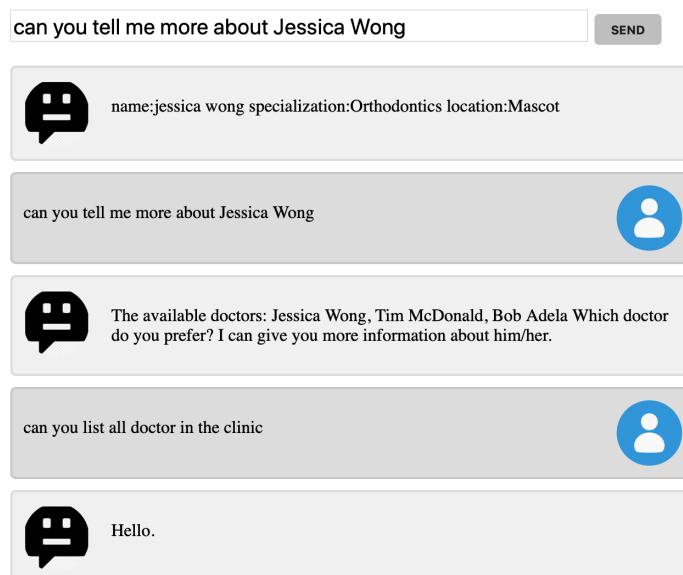
1. The bot can respond to basic greetings



2. The bot asks the client for the preferred doctor and provide information about the doctor

Example:

can you tell me more about Jessica Wong



3. The bot can list all the available doctors in the clinic and the client can choose.

Example:

can you list all doctor in the clinic

can you list all doctor in the clinic SEND



The available doctors: Jessica Wong, Tim McDonald, Bob Adela Which doctor do you prefer? I can give you more information about him/her.

can you list all doctor in the clinic



Hello.

4. The bot can check if the selected timeslot is already reserved and suggest another timeslot.

Example:

how do i check a time slot

check Tue, 06 Aug 09:00 for Jessica Wong

check Tue, 06 Aug 09:00 for Jessica Wong SEND



The time slot is reserved. what about Tue, 06 Aug 14:00, it is available.

check Tue, 06 Aug 09:00 for Jessica Wong



You can check a time slot by typing check (time slot) for (doctor name)

how do i check a time slot



Hello.

5. The bot can provide a list of available timeslots for the selected doctor

Example: time slot for Jessica Wong

time slot for Jessica Wong SEND



time slots for jessica wong: Tue, 06 Aug 09:00 Tue, 06 Aug 10:00 Tue, 06 Aug 11:00 Tue, 06 Aug 14:00

time slot for Jessica Wong

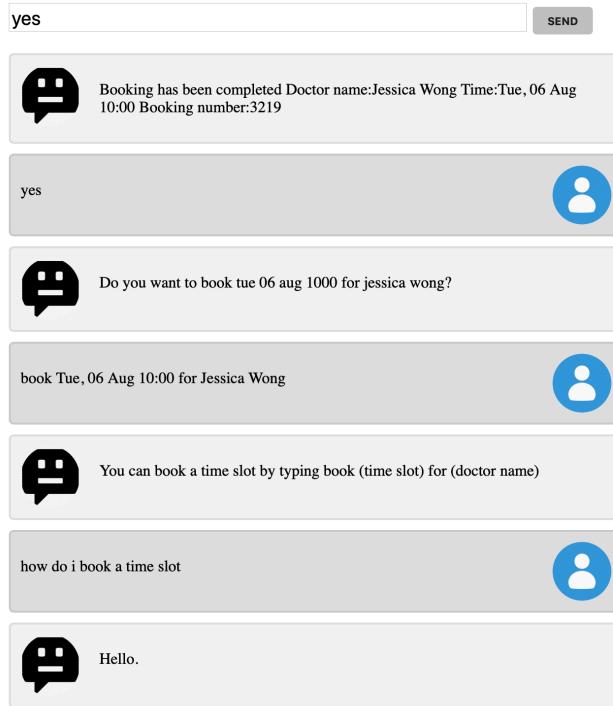


Hello.

6. The bot can confirm the booking and summarize at the end.

Example:

how do i book a time slot  
book Tue, 06 Aug 10:00 for Jessica Wong  
yes



7. The bot can cancel the booking if the client requested it and ask for confirmation.

Example:

how do i cancel a booking  
cancel 3219 (Booking number is generated after the appointment)  
yes

