

## 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


good SEND


 That's great. **Latest message**


good 

 Good How are you

how are you 

 Hi there.

hello 


 Hello. **Initial message**


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


can you tell me more about Jessica Wong SEND

 name:jessica wong specialization:Orthodontics location:Mascot

can you tell me more about Jessica Wong 

 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.


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

 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

 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 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

SEND


 Booking has been completed Doctor name:Jessica Wong Time:Tue, 06 Aug 10:00 Booking number:3219


yes




 Do you want to book tue 06 aug 1000 for jessica wong?


book Tue, 06 Aug 10:00 for Jessica Wong



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

how do i book a time slot



 Hello.

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

SEND


 Booking has been canceled Booking number:3219


yes




 Do you want to cancel booking 3219?


cancel 3219



 You can book a time slot by typing cancel (Booking number)

how do i cancel a booking



 Hello.