# **Deployment and Usage Instructions**

- 1. Setup a docker network and create two volumes for persistent data:
  - Docker network create Assignment2
  - Docker volume create app1-volume
  - Docker volume create app2-volume

```
[cavinashchelliah@Cavinashs-MacBook-Pro-2 ~ % docker network create Assignment2
0b0146ef4a76329bbfe6257ff93420c044249556ee3c2be697ed1fb2ab2ab5a1
[cavinashchelliah@Cavinashs-MacBook-Pro-2 ~ % docker volume create app1-volume
app1-volume
[cavinashchelliah@Cavinashs-MacBook-Pro-2 ~ % docker volume create app2-volume
app2-volume
```

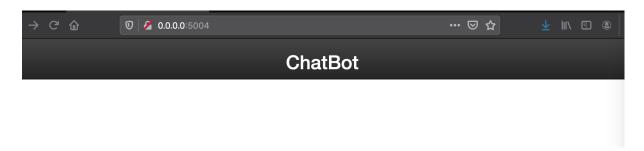
- 2. Navigate into the dentist service:
  - cd DentistService/app/demo/
  - docker build -t app1 .
  - docker run -v app1-volume:/app --net Assignment2 --name app1 -p 5002:5002 app1

- 3. Open a new terminal window and navigate to the timeslot service.
  - cd TimeslotService/app/demo/
  - docker build -t app2 .
  - docker run -v app2-volume:/app --net Assignment2 --name app2 -p 5001:5001 app2

- 4. Open a new terminal window and navigate to the ChatBotService:
  - cd ChatBotService/app/demo/
  - python3 \_\_init\_\_.py

```
cavinashchelliah@Cavinashs-MacBook-Pro-2 Assignment % cd ChatBotService/app/demo/
cavinashchelliah@Cavinashs-MacBook-Pro-2 demo % python3 __init__.py
Init restful.Resource
   * Serving Flask app "__init__" (lazy loading)
   * Environment: production
        WARNING: This is a development server. Do not use it in a production deployment.
        Use a production WSGI server instead.
   * Debug mode: on
   * Running on http://0.0.0.0:5003/ (Press CTRL+C to quit)
   * Restarting with stat
Init restful.Resource
   * Debugger is active!
   * Debugger PIN: 189-209-119
```

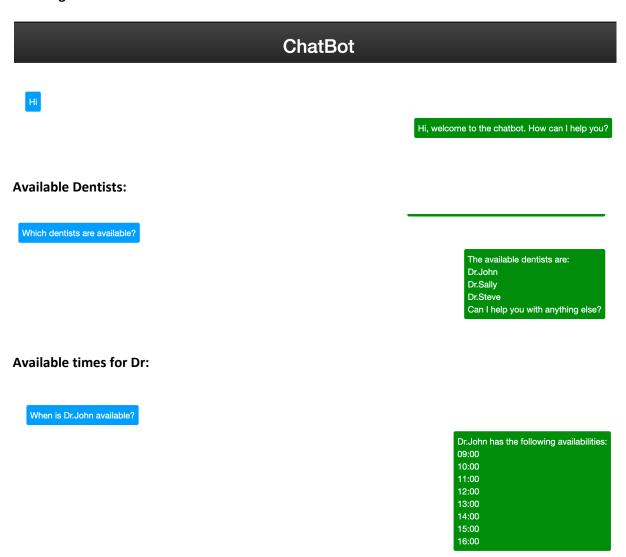
5. Open a browser window to 0.0.0.0:5005



## **Usage Examples**

The chatbot will be empty until you type something.

#### **Greetings:**



# **Book appointment with confirmation:** Book and appointment for Alex with Dr.John at 1pm Do you want to confirm your booking for Alex at 13:00 with Dr.John? (Yes/No) Your appointment has been booked at 13:00 with Dr.John.Is there anything else we can help you with? Can see that the booking at 13:00/1pm is now filled. anything else we can help you with? Available times for Dr.John Dr.John has the following availabilities: 09:00 10:00 11:00 12:00 14:00 15:00 16:00 **Cancel appointment:** Cancel appointment for Alex with Dr.John at 1pm Are you sure you want to delete your appointment? (Yes/No) Your appointment has now been successfully cancelled. Is there anything else we can help you with? All times are now available Available times for Dr.John Dr.John has the following availabilities: 09:00 10:00 11:00 12:00 13:00

Name: Cavinash Chelliah Student ID: z3417347

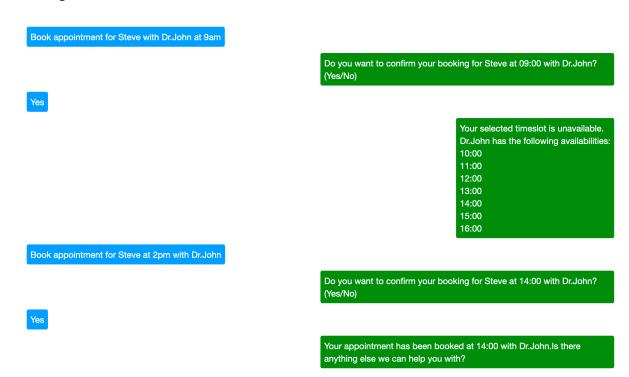
14:00 15:00 16:00

## **Details of a particular doctor:**



Dr.Sally runs a practice in Kensington and specialises in Oral Surgery. Can I help you with anything else?

### Offering available times when timeslot is full:



### Notes:

All YAML files are contained within each service