

ASSIGNMENT 2

Deployment Instructions

Chatbot Microservice

1. % **pip3 install -r chatbot/app/requirements.txt**: This will install all the libraries required to run the chatbot microservice
2. % **python3 chatbot/app/demo/__init__.py**: This will make the microservice up and running on 127.0.0.1:5000.

Dentist Microservice

1. % **cd dentist-service/app/** : This will change the directory to where the DockerFile is kept for dentist microservice.
2. % **docker build -t dentist-service .** : This will build the a docker service namely dentist-service.
3. % **docker run -p 8888:8888 -it dentist-service** : This will run the built-up docker service and expose the microservice on port 8888.

Timeslot Microservice

1. % **cd timeslot-service/app/** : This will change the directory to where the DockerFile is kept for timeslot microservice.
2. % **docker build -t timeslot-service .** : This will build the a docker service namely timeslot-service.
3. % **docker run -p 4444:4444 -it timeslot-service** : This will run the built-up docker service and expose the microservice on port 4444.

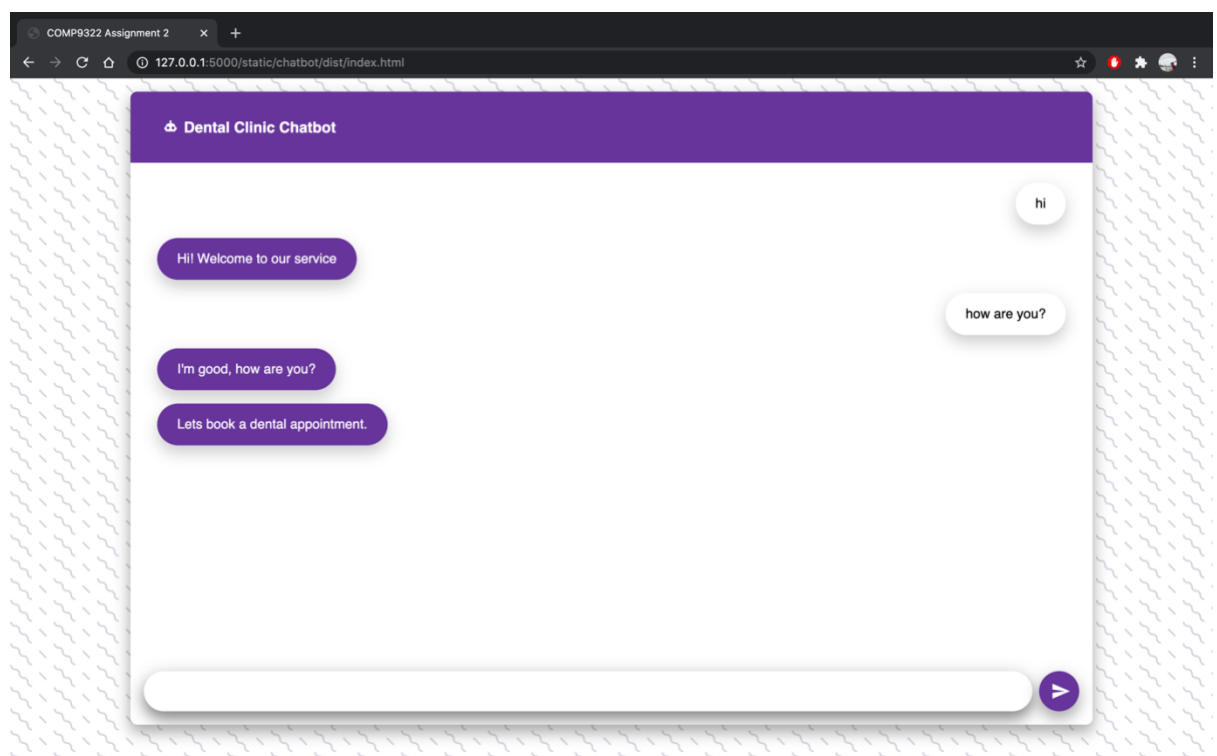
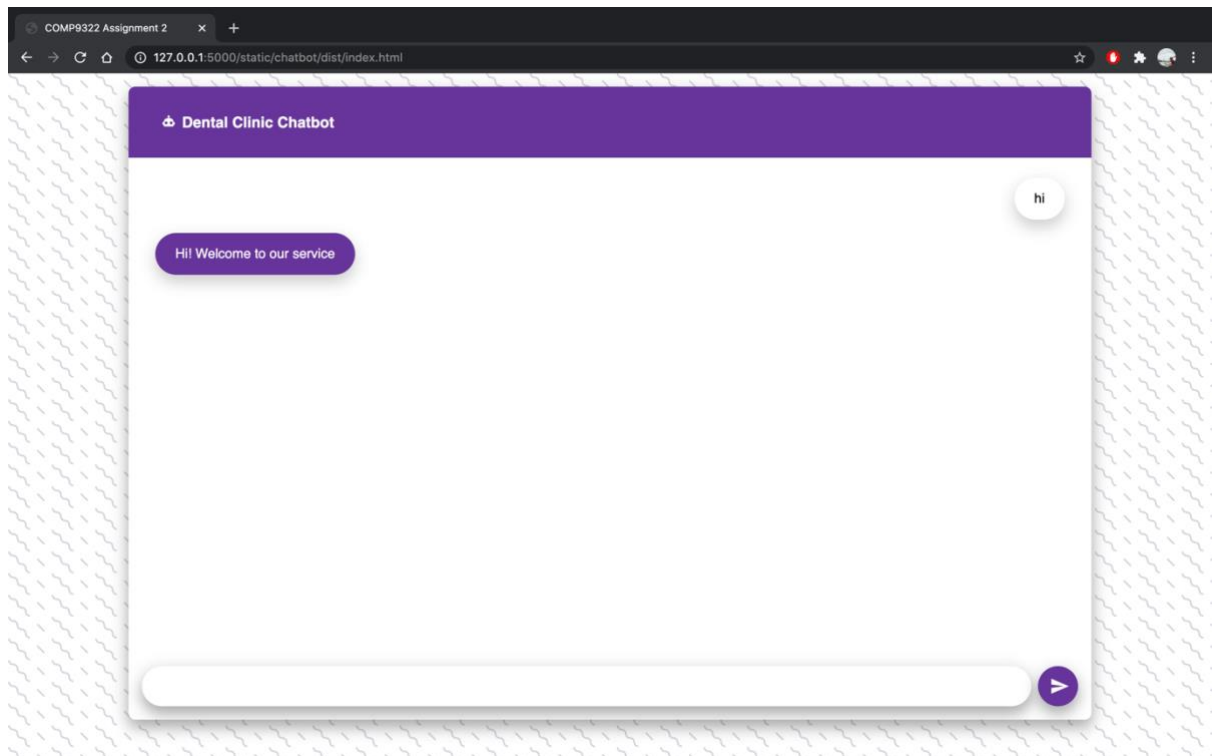
After successfully running all the microservices

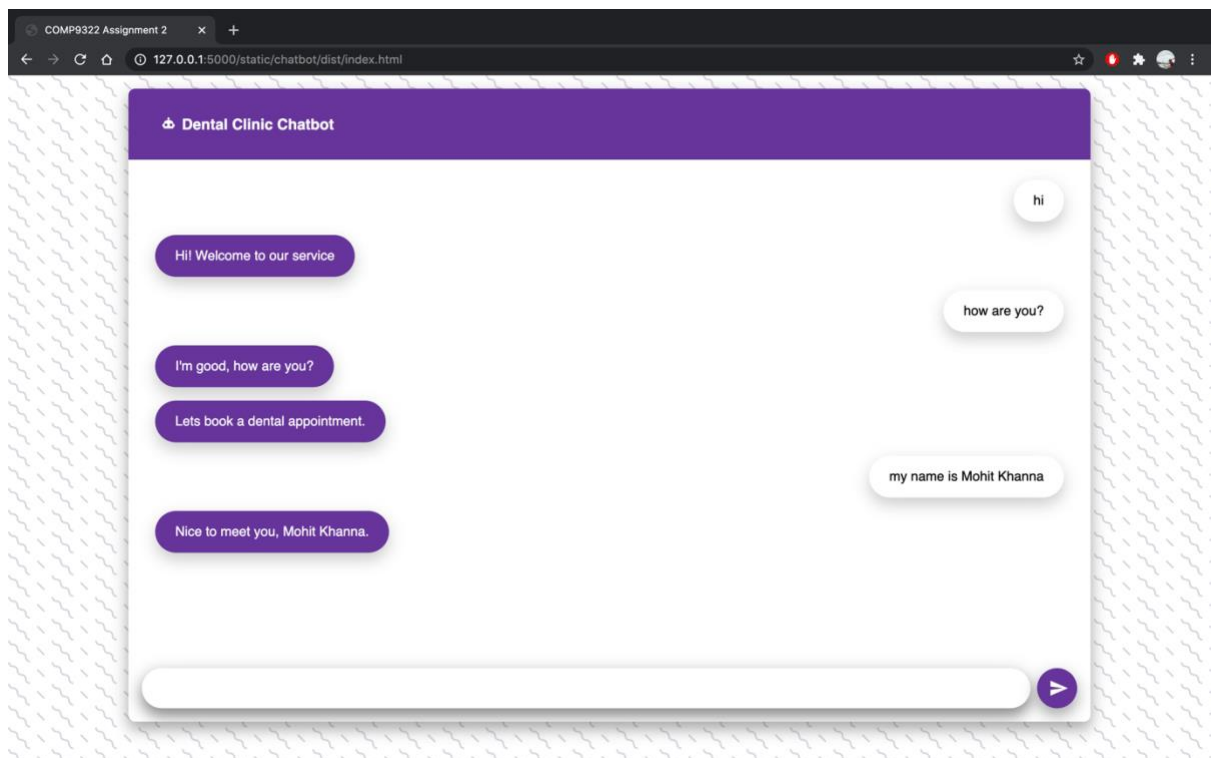
1. Open any web browser
2. Go to <http://127.0.0.1:5000/static/chatbot/dist/index.html>
3. Chat with the chatbot for dental bookings or information.

Usage Instructions

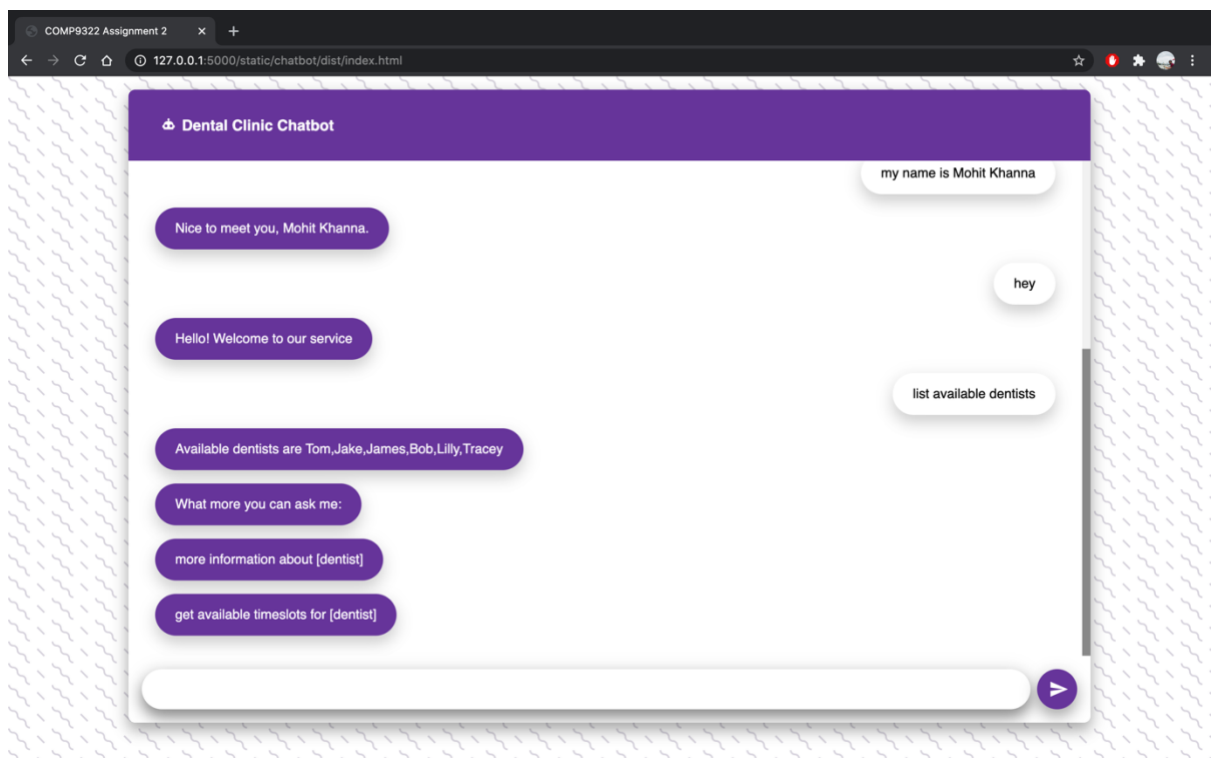
This chatbot service is developed using rule based rivescript. Below are some examples for how to interact with the chatbot.

1. Greetings

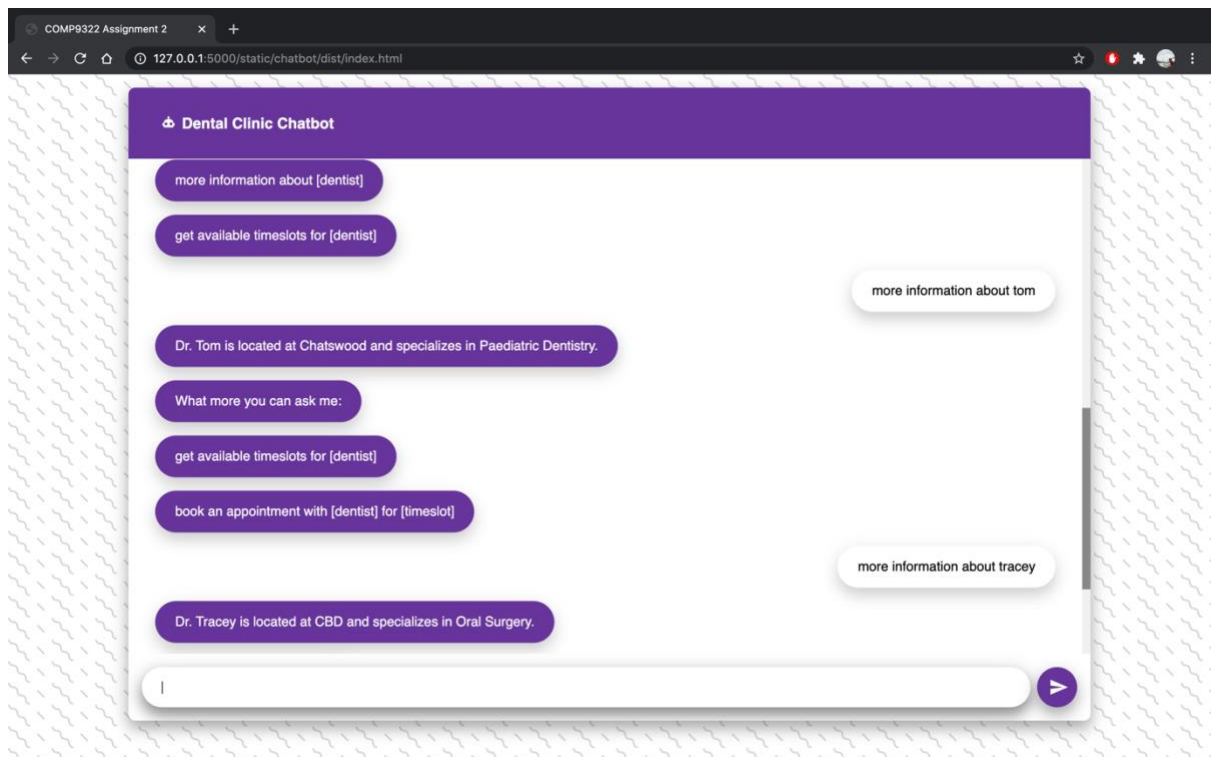




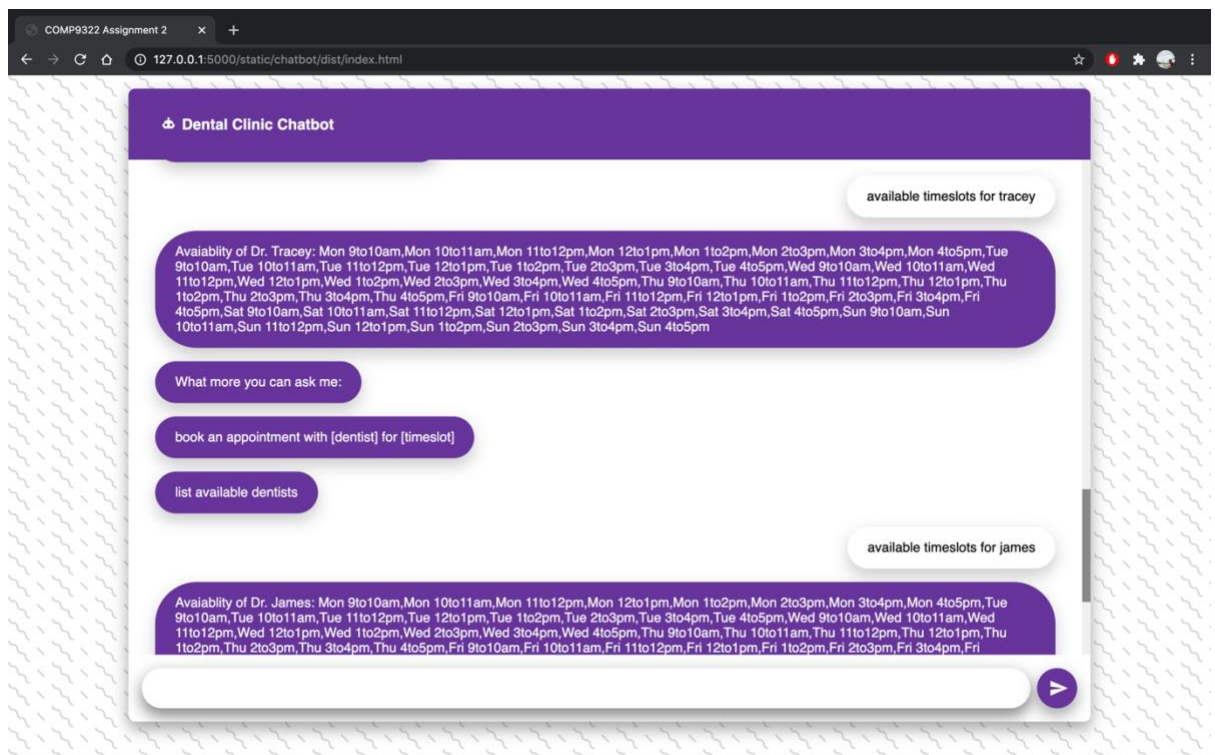
2. Listing available dentists

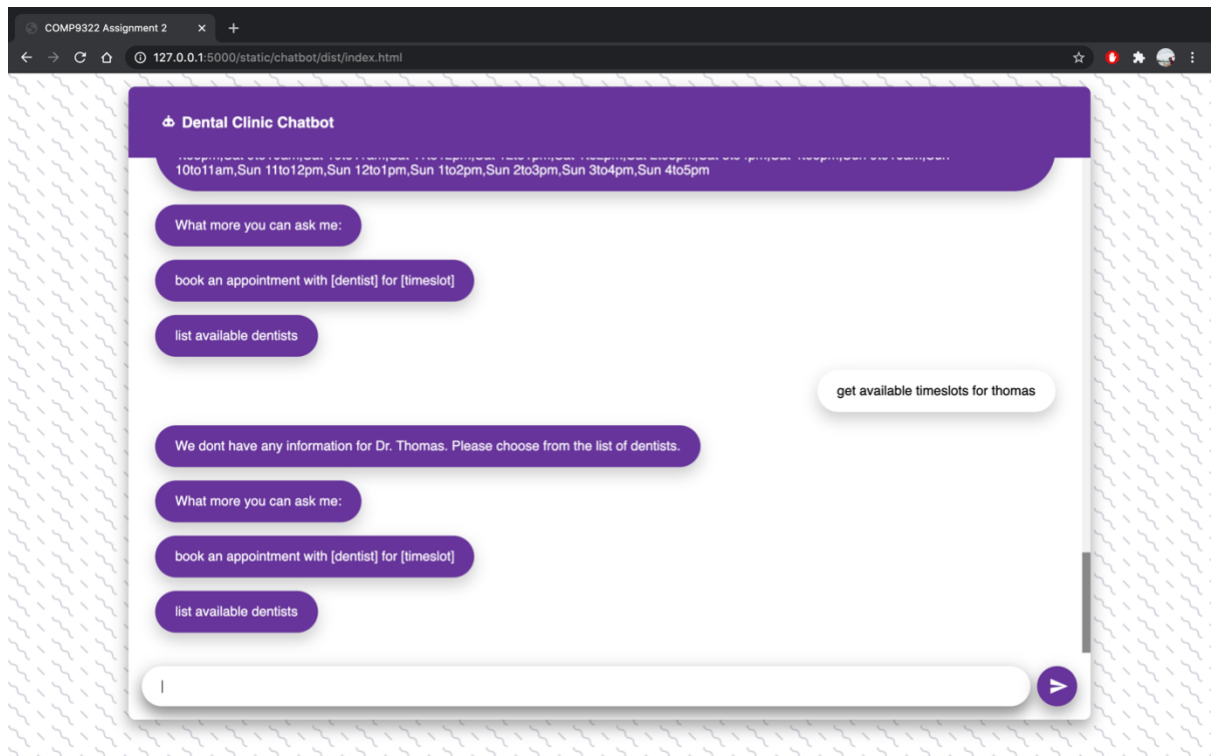


3. More information about a dentist

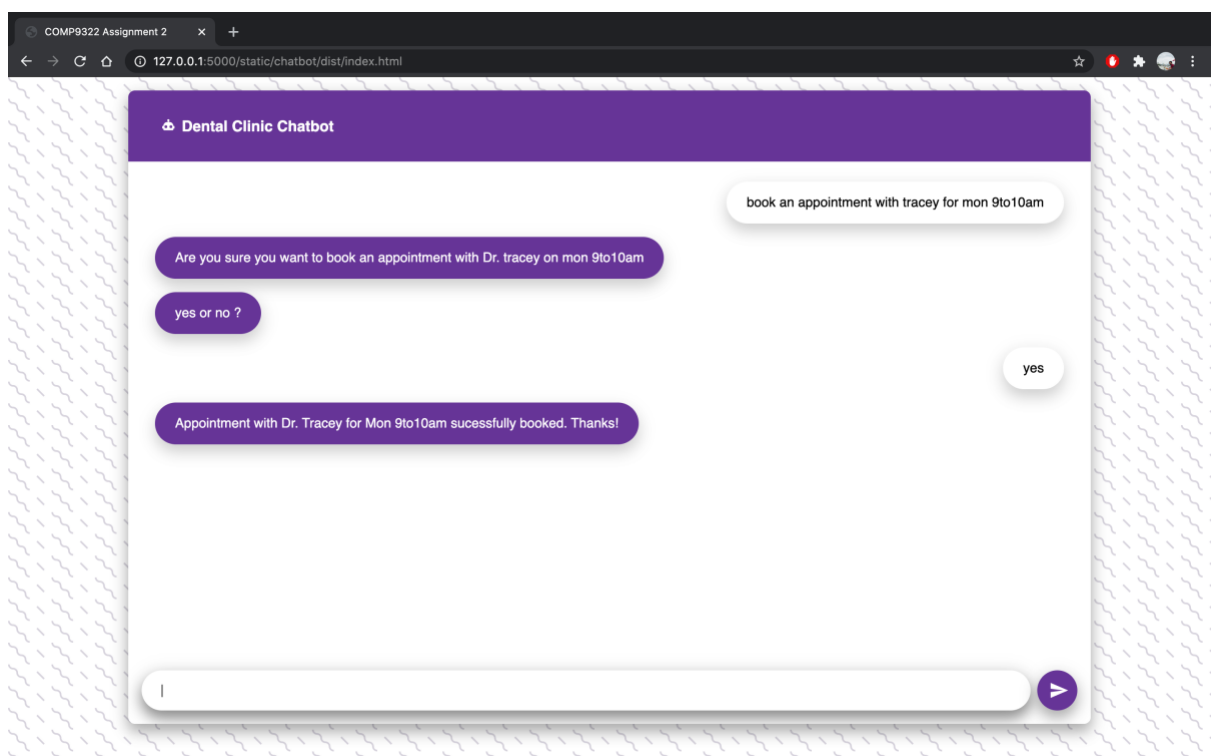


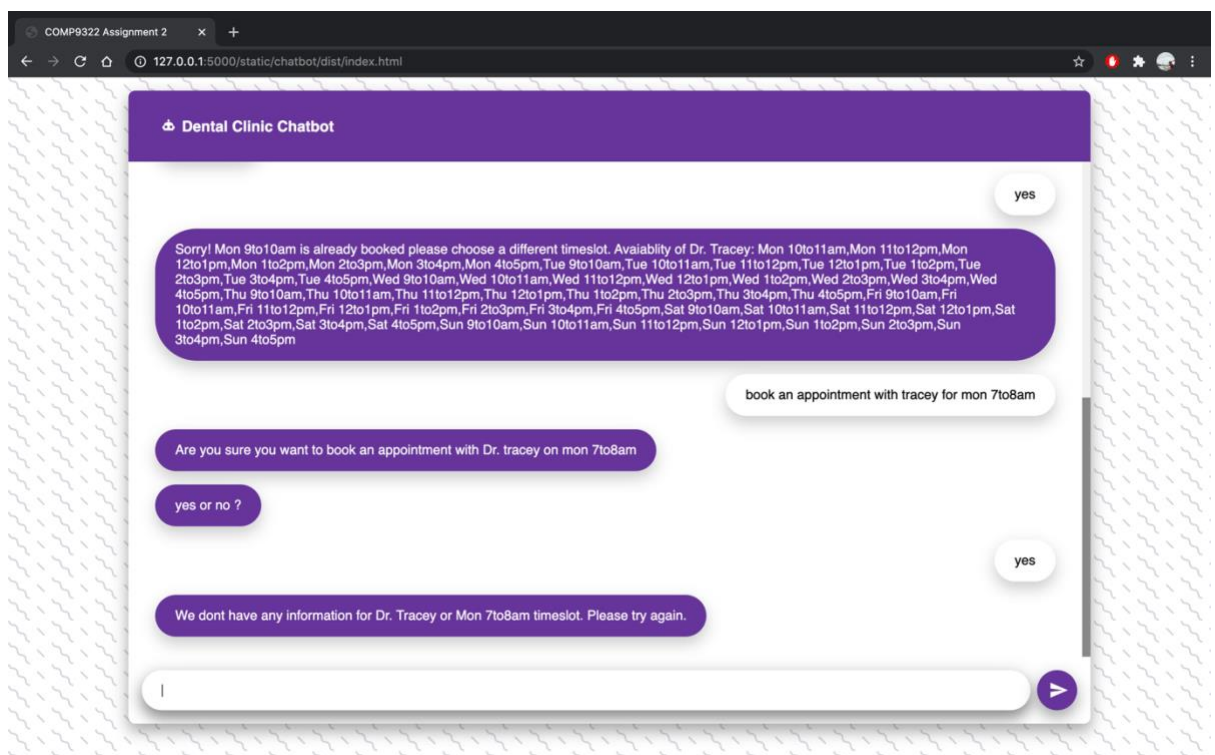
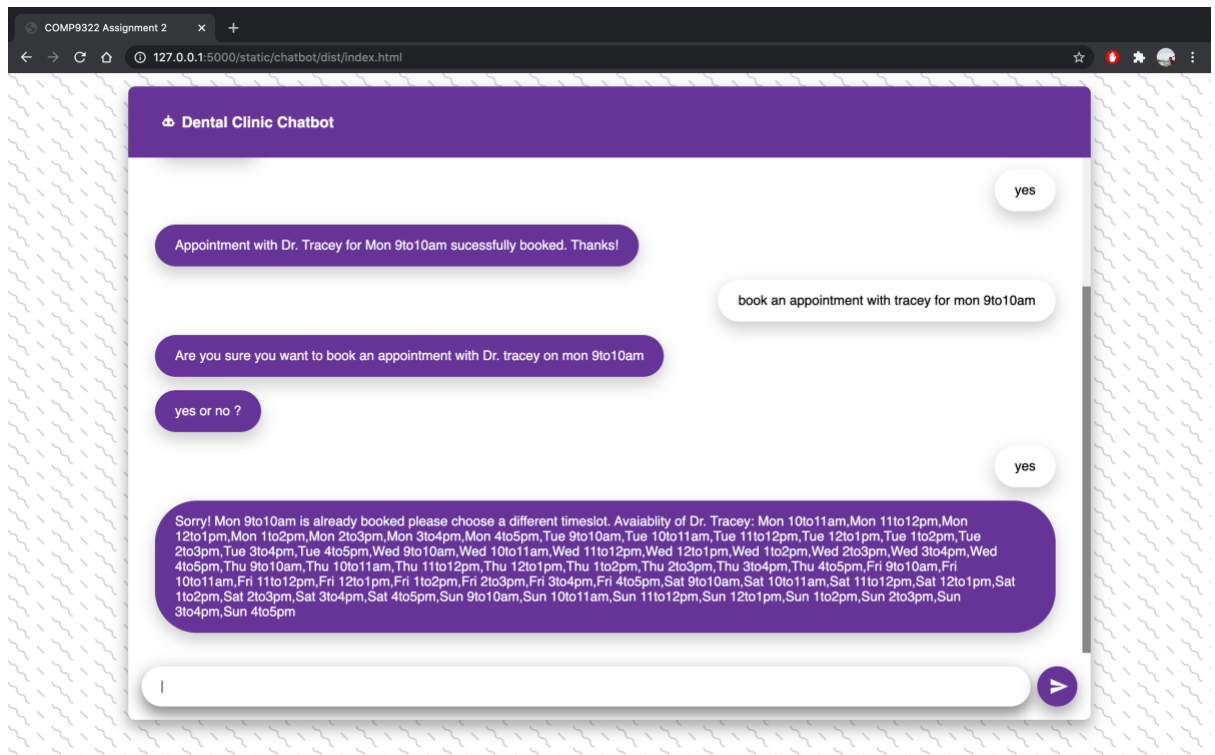
4. Available timeslots for a particular dentist

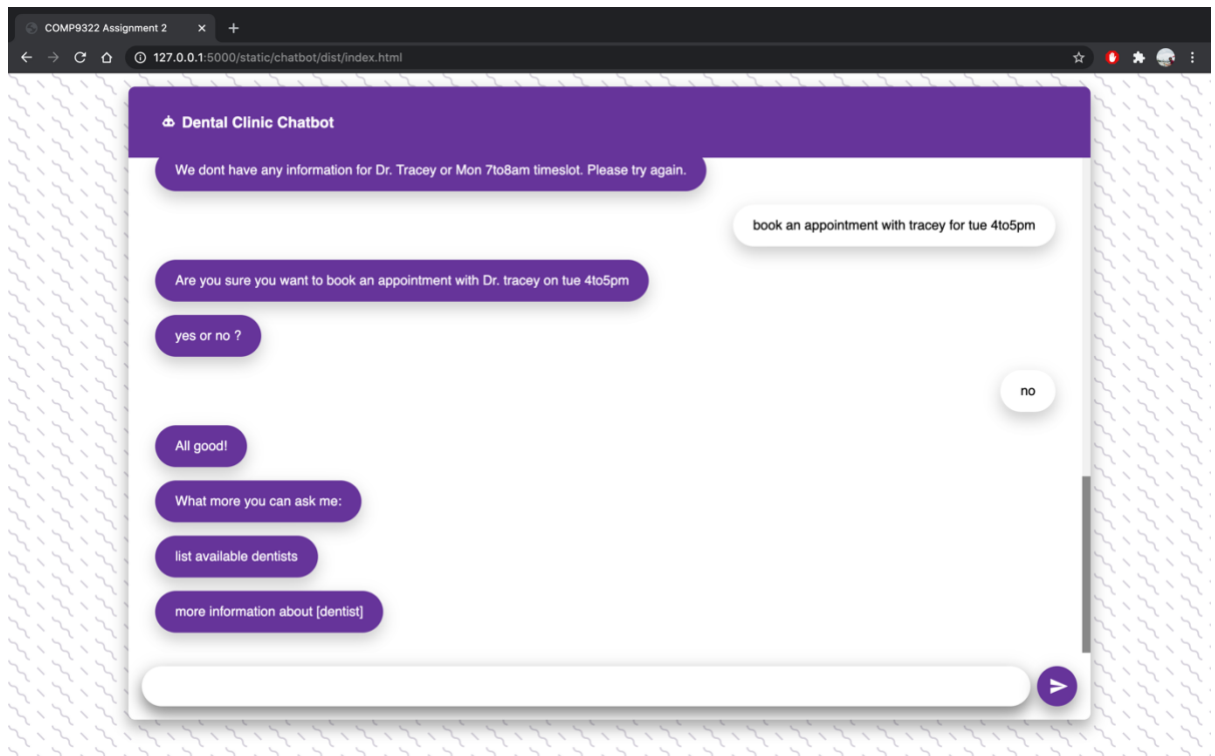




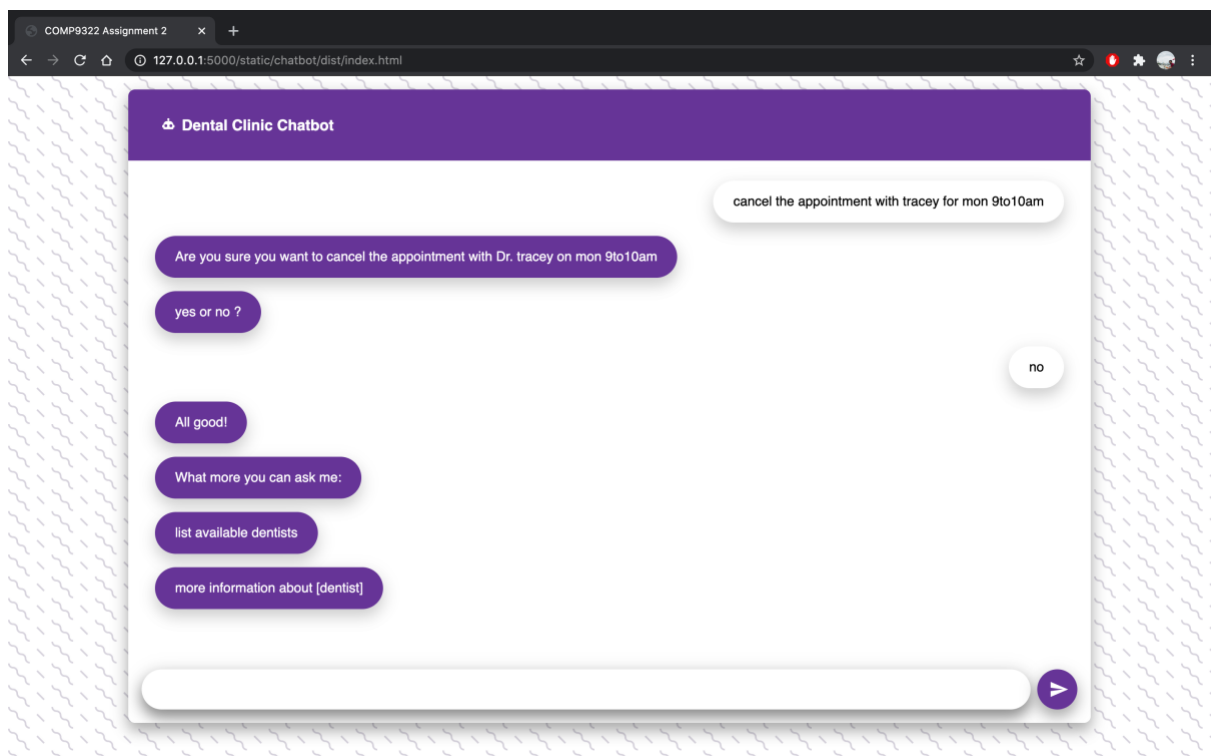
5. Booking an appointment

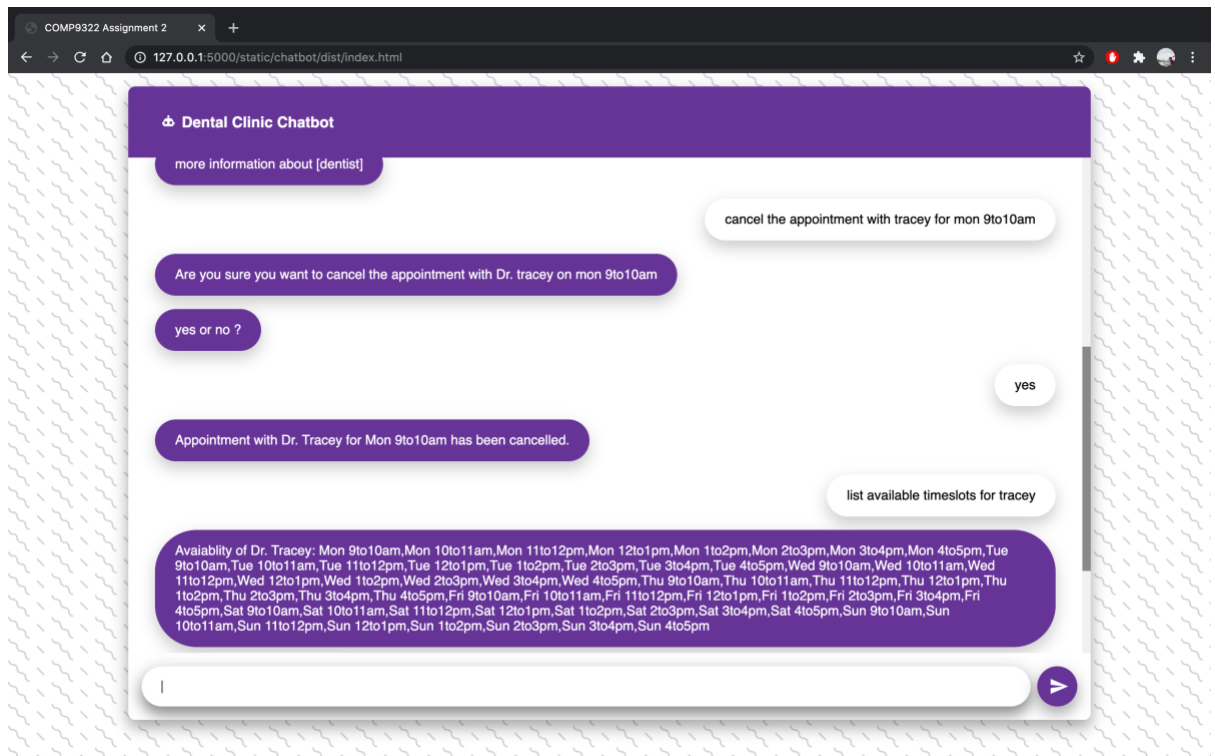




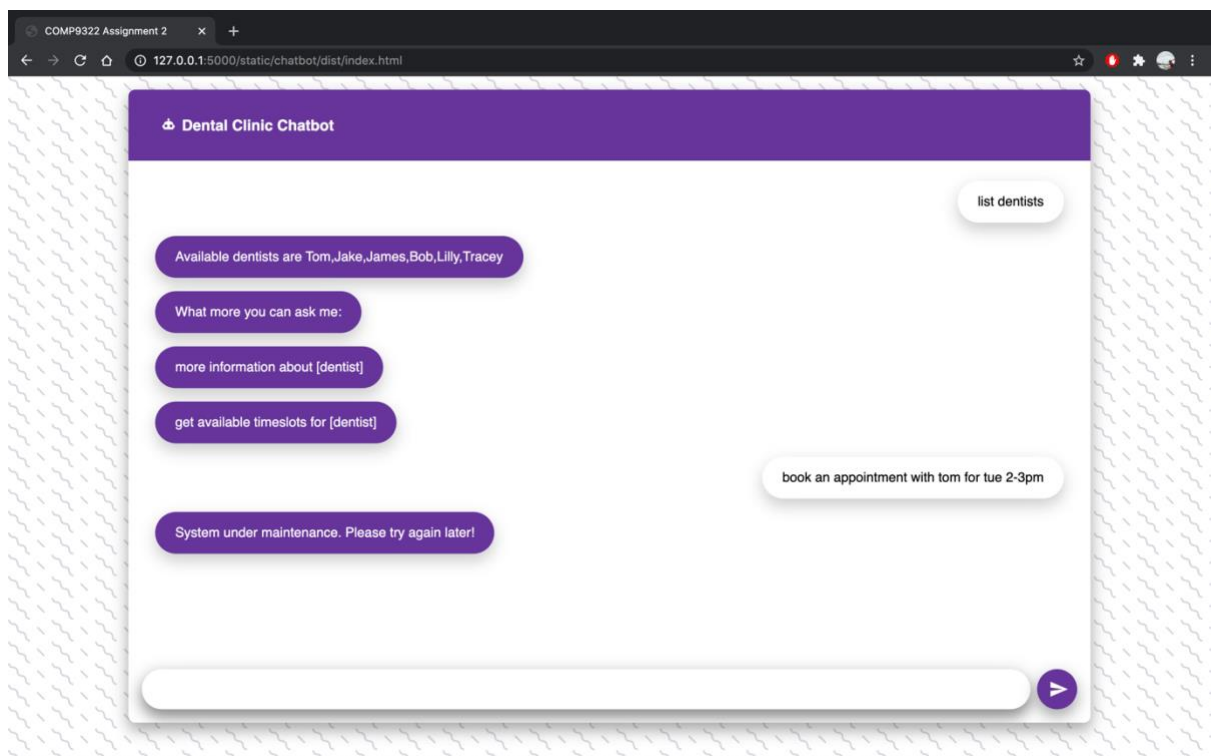


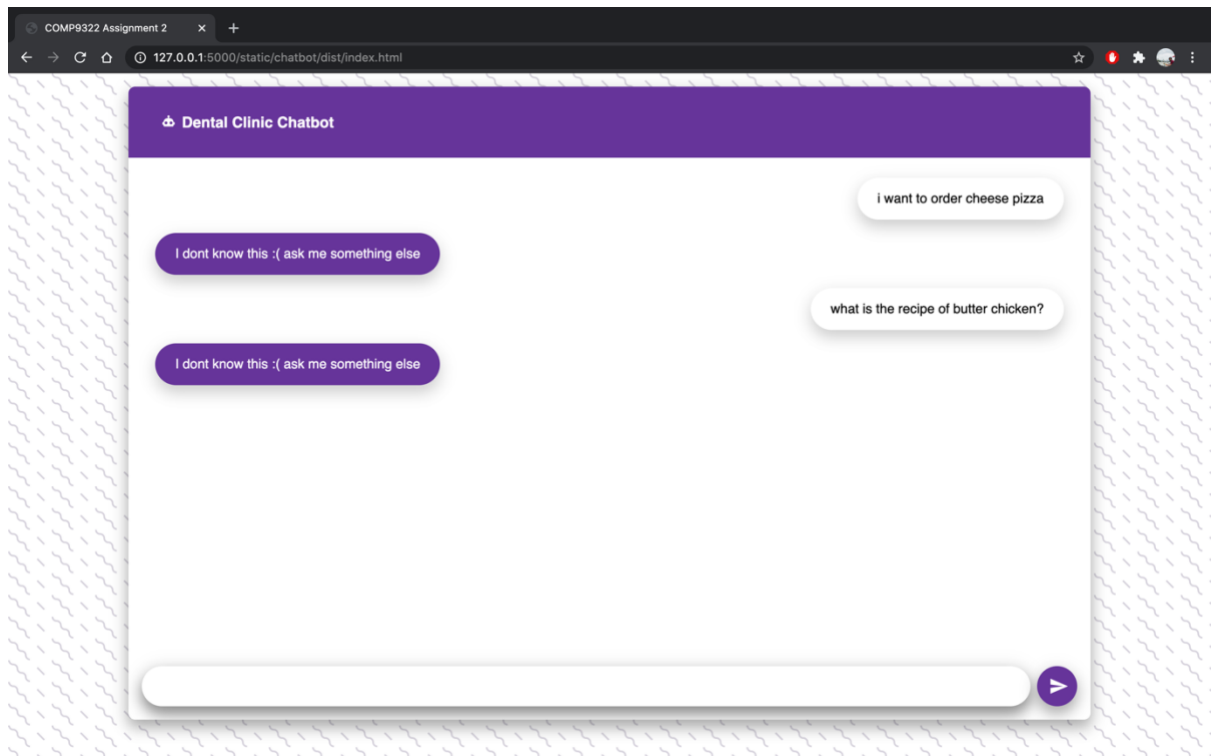
6. Cancelling an appointment





7. Handling exceptions





API Documentation

1. <http://127.0.0.1:5000/static/swagger-ui/index.html>
2. <http://127.0.0.1:8888/static/swagger-ui/index.html>
3. <http://127.0.0.1:4444/static/swagger-ui/index.html>

Frontend

For the scope of this assignment, the frontend basic template files can be downloaded from internet and this chatbot template code is downloaded from the opensource code share platform codepen.io. The original license and readme files are not tempered and can be found in the chatbot directory.

The API logic in the js file is my original and the template code can be found [here](#).