

9322 Asst1 - Dentist Chatbot

Hao Fu - z5102511

Prerequisite

- Docker is running -> [Install link](#)
- python3 is installed -> `brew install python3` (for MacOS)

Run code

- Download zip file and unzip it
- `bash run.sh`
- Open web browser and type address `http://0.0.0.0:5002`
(The dentist and timeslot server will run in separate docker container. Dentist server will run in `http://0.0.0.0:5000` and timeslot server will run in `http://0.0.0.0:5001`)

API Documentation

You can find the documtion in following link or you can find them in **doctor.yaml** and **timeslot.yaml**

- [Doctor API Documentation](#)
- [Timeslot API Documentation](#)

Functions

Basic greetings

You can send some basic greetings with chat bot.

For example:

- hi

- How are you?
- What is your name?

More detail on the following snapshot.

Example

- hi
- can you show me all doctor timeslot?
- can you show me doctor 1 timeslot?
- can i book doctor 0 at 10AM on monday?
- i would like to cancel the appointment with doctor 0 at 10AM on monday
- which doctor are available at 2PM on friday

you > how are you?
bot > good

you > what is your name?
bot > call me dummy bot

you > hi
bot > hey ;)

Provide doctors information

You can get doctor information by asking following sentences.

- Can you give me some information about doctors?
- Doctor info

- which doctor are available at 2PM on friday

you > can you give me some information about doctors?
bot >

id	location	name	specialization
0	Maroubra, Sydney, NSW	John Snow	Paediatric Dentistry
1	Randwick, Sydney, NSW	Lily Smith	Orthodontics
2	Kensington, Sydney, NSW	Stella Chen	Oral Surgery
3	Mascot, Sydney, NSW	Luke Song	Oral Surgery
4	Bondi, Sydney, NSW	James Nicola	Paediatric Dentistry

List all the available doctors

Send bot following instruction, it will reply with all doctor timeslot

- can you show me all doctor timeslot?
- give me all doctor timeslot
- timeslot

you > timeslot
bot >

id	name	Mon	Tue	Wed	Thu	Fri
0	John Snow	9AM 11AM 12AM 1PM 2PM 3PM 4 PM	All day available	All day available	10AM 11AM 12AM 1PM 2PM 3PM 4 PM	All day available
1	Lily Smith	All day available	All day available	All day available	All day available	All day available
2	Stella Chen	All day available	All day available	All day available	All day available	All day available
3	Luke Song	All day available	All day available	All day available	All day available	All day available
4	James Nicola	9AM 10AM 11AM 12AM 2PM 3PM 4 PM	All day available	All day available	All day available	All day available

Make a appointment

You can send booking request in following format.

can i book doctor {doctorId} at {time} on {day}?

Example: Can i book doctor 1 at 10AM on Monday?

DoctorId are available in a range, which is same as doctor info.

NAME	AVAILABLE VALUE
doctorId	0,1,2,3,4,5
time	9AM, 10AM, 11AM, 12AM, 1PM, 2PM, 3PM, 4PM
day	Monday, Tuesday, Wednesday, Thursday, Friday

If the time is booked, the chat bot will suggest another free time.

- which doctor are available at 2PM on friday

can i book doctor 1 at 10AM on monday?

Send

you > can i book doctor 1 at 10am on monday?
bot > Already Booked, but i can book at 9AM on thursday

you > can i book doctor 1 at 10am on monday?
bot > Book success!
Summary: you have booked the appointment with doctor 1 at 10AM on monday.

Cancel a appointment

You can cancel booking request in following format.

i would like to cancel the appointment with doctor {doctorId} at {time} on {day}

Example: I would like to cancel the appointment with doctor 0 at 10AM on monday

The available value is the same as booking.

- which doctor are available at 2PM on friday

i would like to cancel the appointment with doctor 0 a

Send

you > i would like to cancel the appointment with doctor 0 at 10am on monday
bot > Have not Booked

you > i would like to cancel the appointment with doctor 0 at 10am on monday
bot > Cancel success

Preferred doctor timeslot

Show a single doctor's timeslot.

Can you show me doctor {doctorId} timeslot?

Example: can you show me doctor 1 timeslot?

can you show me doctor 1 timeslot?

Send

you > can you show me doctor 1 timeslot?
bot >

id	name	Mon	Tue	Wed	Thu	Fri
1	Lily Smith	9AM 11AM 12AM 1PM 2PM 3PM 4 PM	All day available	All day available	All day available	All day available