# 9322 Asst1 - Dentist Chathot

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# **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 brower and type address <a href="http://0.0.0.0:5002">http://0.0.0.0:5002</a>
   (The dentist and timeslot server will run in separate docker container. Dentist server will run in <a href="http://0.0.0.0:5000">http://0.0.0.0:5000</a> and timeslot server will run in <a href="http://0.0.0.0:5001">http://0.0.0.0:5001</a>)

# **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**

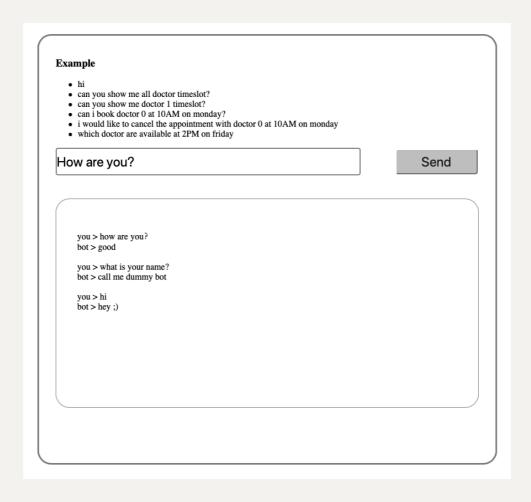
You can send some basic greetings with chat bot.

For example:

• hi

- How are you?
- What is your name?

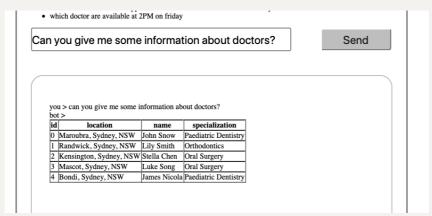
More detail on the following snapshot.



## **Provide doctors information**

You can get doctor information by asking following sentences.

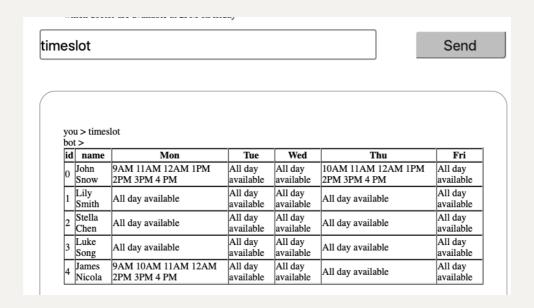
- Can you give me some information about doctors?
- Doctor info



#### 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



## 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?

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.

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?

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