

# Clinic chatbot

## Quick Start

There are three main directories in this system:

**dentist timeslot clinic-chatbot**

In the **dentist** directory, you can run:

```
docker build -t my_dentist .
```

```
docker run -p 8080:5000 -t my_dentist __init__.py
```

In the **timeslot** directory, you can run:

```
docker build -t my_timeslot .
```

```
docker run -p 8086:5003 -t my_timeslot __init__.py
```

In the **clinic-chatbot** directory, you can run:

```
cd app/demo
```

```
python3 __init__.py
```

Back to main directory, just run:

```
serve -s build
```

Open `localhost:5000` to book your appointment!

## Example

The bot is able to respond to basic greetings.

Chat test

Guest

hello

bot

hi my friend

Guest

hello

bot

hi there

Guest

how are you

bot

I'm good. Thanks

Guest

my name is Felix

bot

oh hello felix

Guest

hi bot

bot

hi user!

Write a message...

The bot can list all the available doctors (dentists whose timeslots is full will not be shown) in the clinic and the client can choose.

It can asks the client for the preferred doctor and provide information about the doctor.

Chat test

Guest

show me dentists available

bot

Dentists that are available are Dr Alice, Dr Johnson, Dr Hart.

Guest

tell me detail about Dr Johnson

bot

Dr Johnson is a Orthodontics works in Sydney Children's Hospital.

Guest

what about Dr Hart?

bot

Dr Hart is a Oral Surgery works in St Vincent's Public Hospital.

Guest

info about Dr Alice

bot

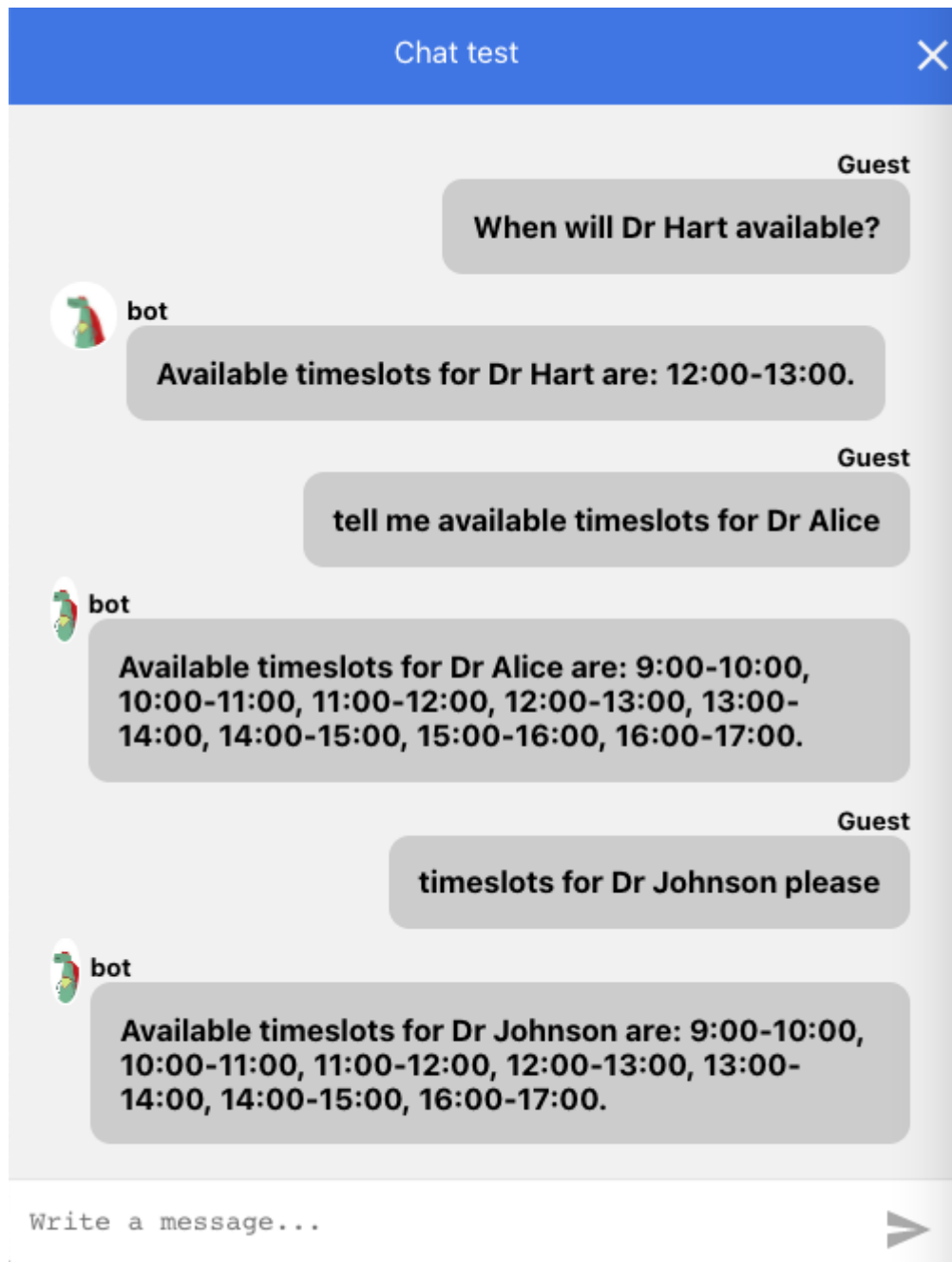
Dr Alice is a Paediatric Dentistry works in Sydney Children's Hospital.

Guest

all dentists please


Write a message...

The bot can provide a list of available timeslots for the selected doctor.



The bot can confirm the booking and summarize at the end.  
It can check if the selected timeslot is already reserved and suggest another timeslot. If there are no timeslot for the dentist, it will provide different reply.


Chat test

bot

Available timeslots for Dr Hart are: 9:00-10:00, 15:00-16:00.

Guest


reserve a timeslot with Dr Hart at 15:00

bot

You successfully book timeslot for Dr Hart at 15:00-16:00 11/11!

Guest


book a appointment with Dr Hart at 11am

bot

Sorry! This timeslot for Dr Hart has been reserved. Other available timeslots are 9:00-10:00.

Guest


book reservation with Dr Hart at 9am

bot

You successfully book timeslot for Dr Hart at 9:00-10:00 11/11!

Guest

reserve a timeslot with Dr Hart at 16:00

bot

Sorry! This timeslot for Dr Hart has been reserved. No other timeslot available for Dr Hart.

Write a message...


The bot can cancel the booking if the client requested it.

Chat test

15:00, 15:00-16:00, 16:00-17:00.

Guest


book an appointment with Dr Alice at 9am

bot

You successfully book timeslot for Dr Alice at 9:00-10:00 11/11!

Guest


List me available timeslots for Dr Alice

bot

Available timeslots for Dr Alice are: 10:00-11:00, 11:00-12:00, 12:00-13:00, 14:00-15:00, 15:00-16:00, 16:00-17:00.

Guest


please cancel the reservation with Dr Alice at 9am

bot

You have successfully canceled reservation with Dr Alice at 9:00!

Guest

available timeslots for Dr Alice

bot

Available timeslots for Dr Alice are: 9:00-10:00, 10:00-11:00, 11:00-12:00, 12:00-13:00, 14:00-15:00, 15:00-16:00, 16:00-17:00.

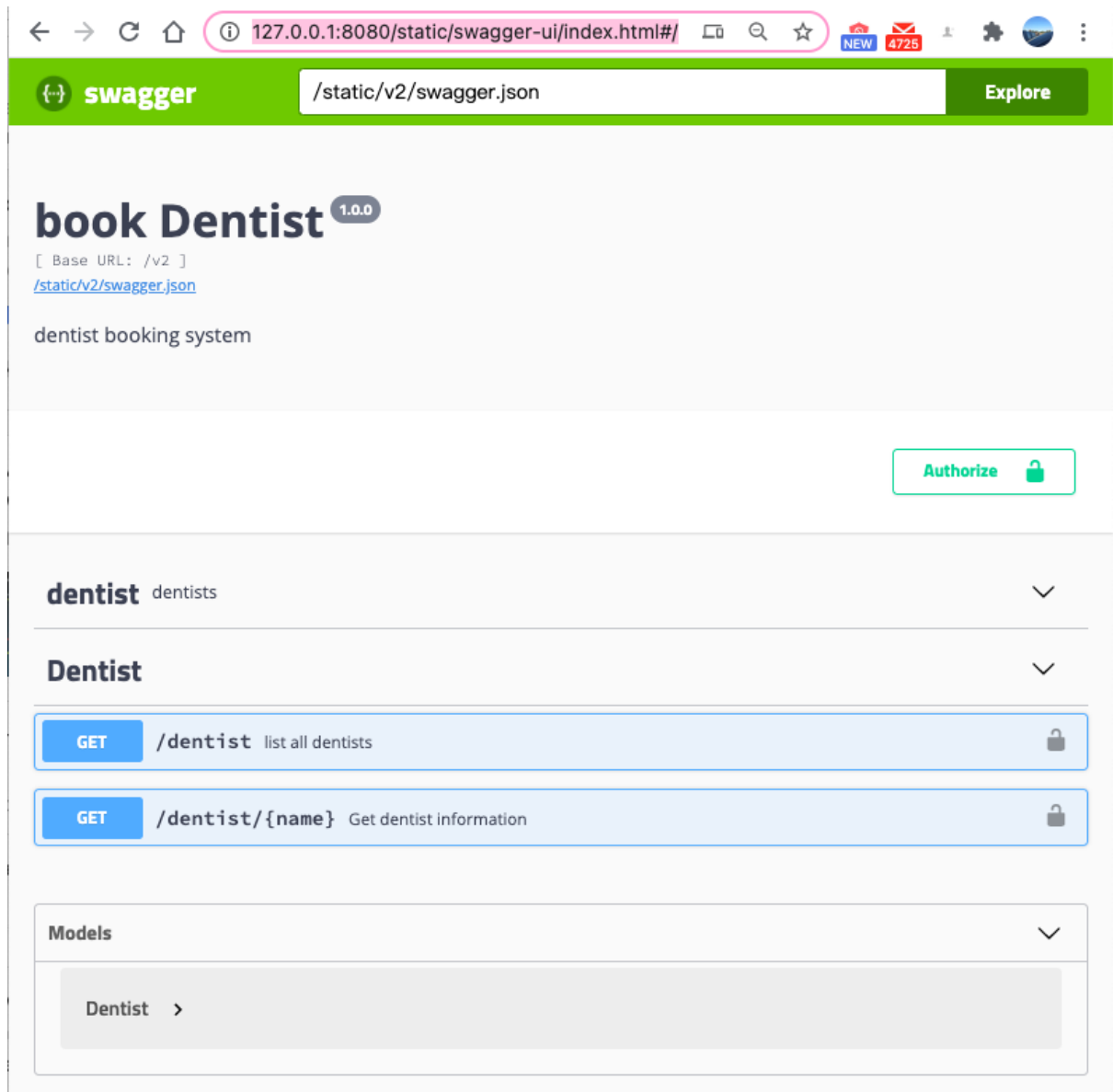
Write a message...



# Swagger

dentist


<http://127.0.0.1:8080/static/swagger-ui/index.html#/>



timeslot

<http://127.0.0.1:8086/static/swagger-ui/index.html#/>

← → ↻ 🏠 ⓘ 127.0.0.1:8086/static/swagger-ui/index.html#/ 🔍 ☆ 📧 NEW 4725 👤 ⚙️ 🌐 ⋮


 **swagger**  **Explore**

---


# book Dentist 1.0.0


[ Base URL: /v2 ]  
</static/v2/swagger.json>


timeslot reserving system


[Authorize](#) 

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**timeslot** timeslots for dentists 

**GET** **/timeslot** list available timeslot of dentists 

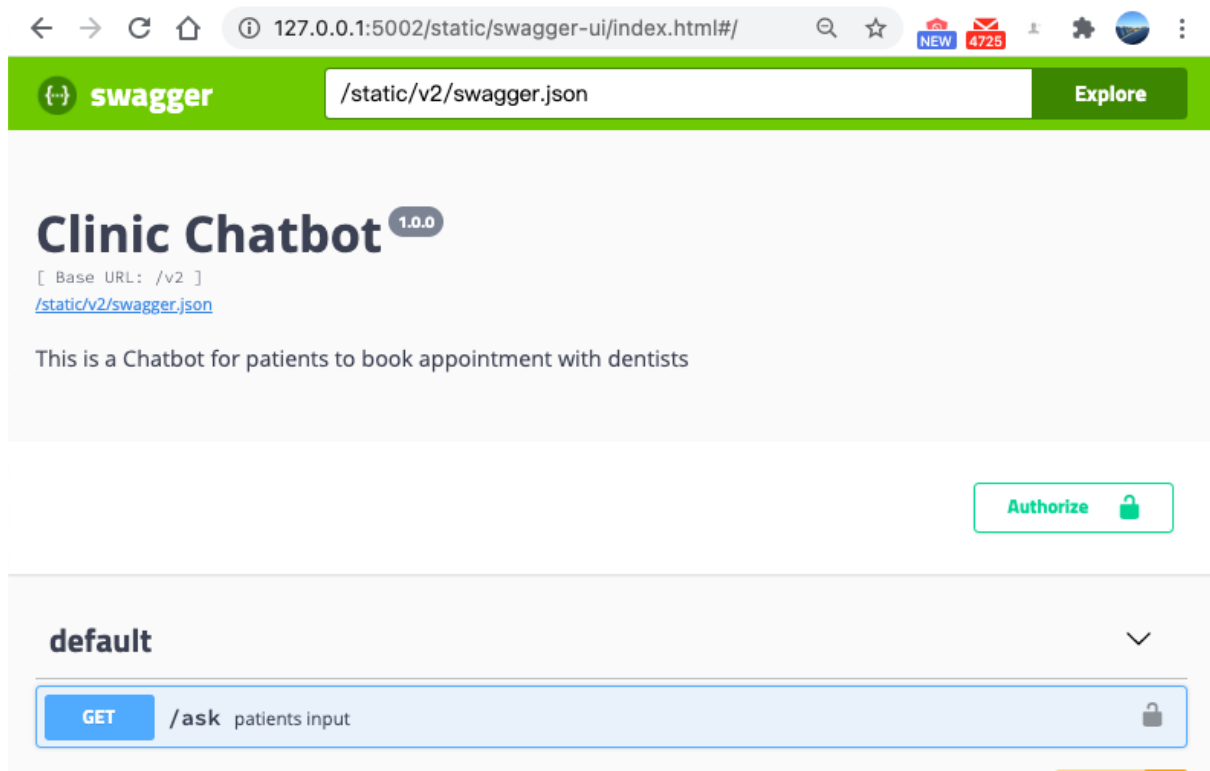
**PATCH** **/timeslot** reserve or cancel timeslots 

**Models** 

Timeslot >

Clinic Chatbot

<http://127.0.0.1:5002/static/swagger-ui/index.html/>



## Reference

User interface is based on github/botform(<https://github.com/botform/bot>).  
Backend is based on my lab activities of this course.

I apply MLchatbot.

The **wit (fake facebook account)** credentials:

username/password:

**zybf@yahoo.com**

**010010**