

# COMP9322 Ass3 Deployment instruction

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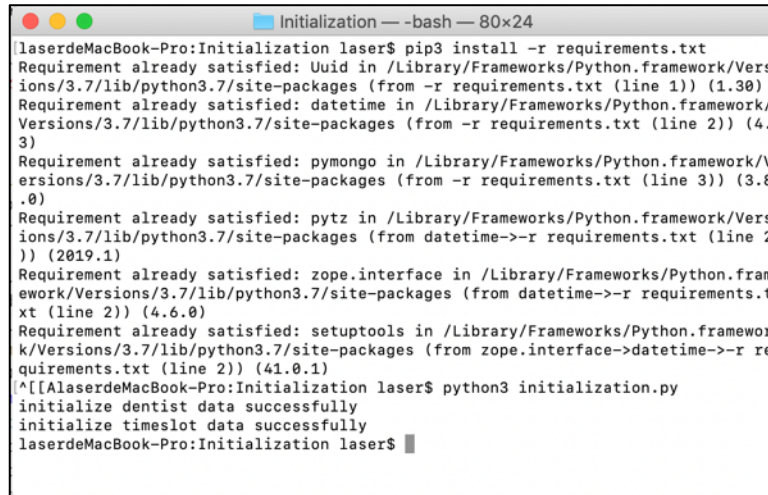
## Setup the service

1. Initialize dentist and timeslot data on MongoDB:

Open a new terminal under the folder initialization, type:

```
pip3 install -r requirements.txt
```

```
python3 initialization.py
```



```
laserdeMacBook-Pro:Initialization laser$ pip3 install -r requirements.txt
Requirement already satisfied: Uuid in /Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/site-packages (from -r requirements.txt (line 1)) (1.30)
Requirement already satisfied: datetime in /Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/site-packages (from -r requirements.txt (line 2)) (4.3)
Requirement already satisfied: pymongo in /Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/site-packages (from -r requirements.txt (line 3)) (3.8.0)
Requirement already satisfied: pytz in /Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/site-packages (from datetime->-r requirements.txt (line 2)) (2019.1)
Requirement already satisfied: zope.interface in /Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/site-packages (from datetime->-r requirements.txt (line 2)) (4.6.0)
Requirement already satisfied: setuptools in /Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/site-packages (from zope.interface->datetime->-r requirements.txt (line 2)) (41.0.1)
^[AlaserdeMacBook-Pro:Initialization laser$ python3 initialization.py
initialize dentist data successfully
initialize timeslot data successfully
laserdeMacBook-Pro:Initialization laser$
```

2. Run dentist service on port 5000:

Open a new terminal under the folder Dentist, type:

```
docker build -t doctor_service .
```

```
docker run -p 127.0.0.1:5000:5000 -t doctor_service
```

3. Run timeslot service on port 8888:

Open a new terminal under the folder Timeslot, type:

```
docker build -t timeslot_service .
```

```
docker run -p 127.0.0.1:8888:8888 -t timeslot_service
```

4. Run the chatbot service on:

Open a new terminal under the folder ChatbotApp, type:

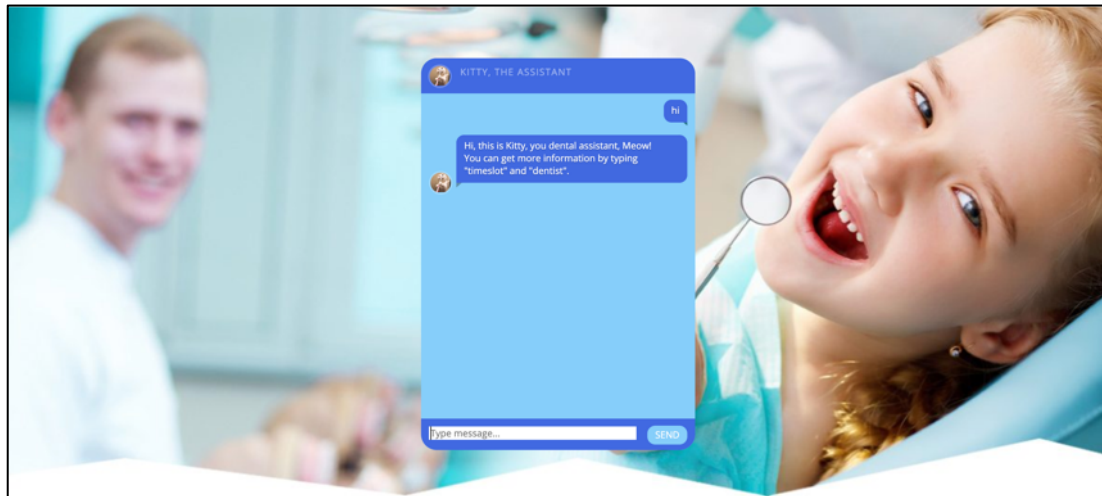
```
pip3 install -r requirements.txt
```

```
python3 app.py
```

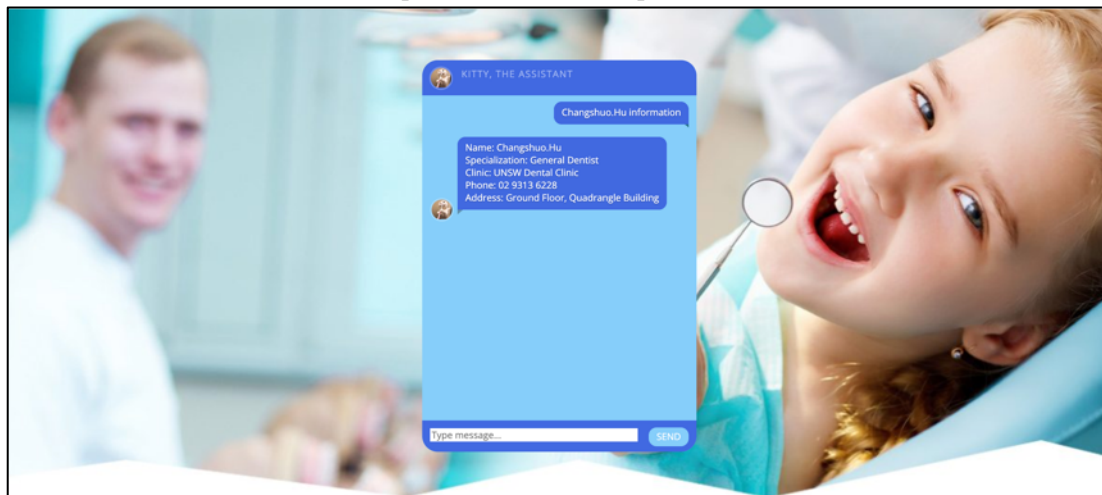
Open your browser and type <http://127.0.0.1:10898/> in address bar to access the chatbot.

## Bot Interaction

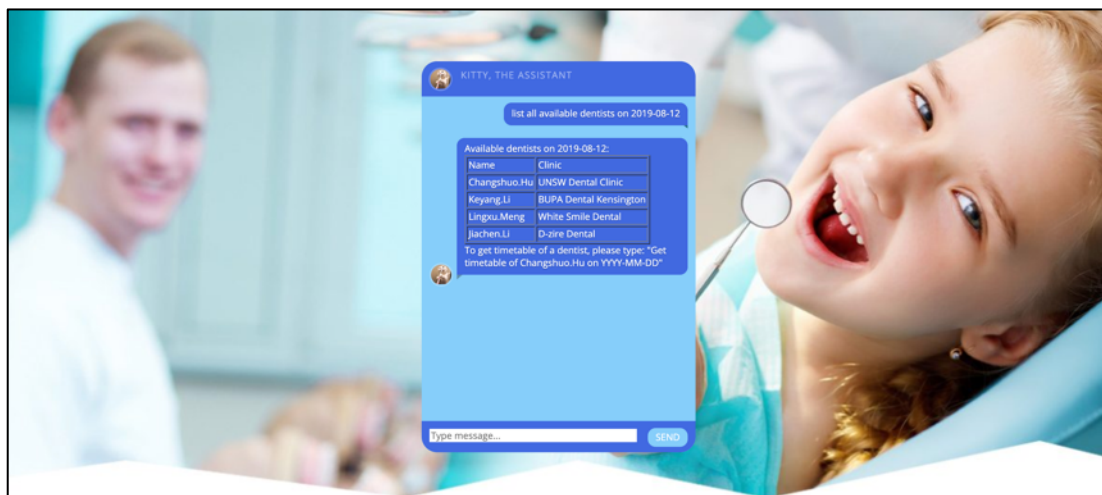
1. The bot should be able to respond to basic greetings



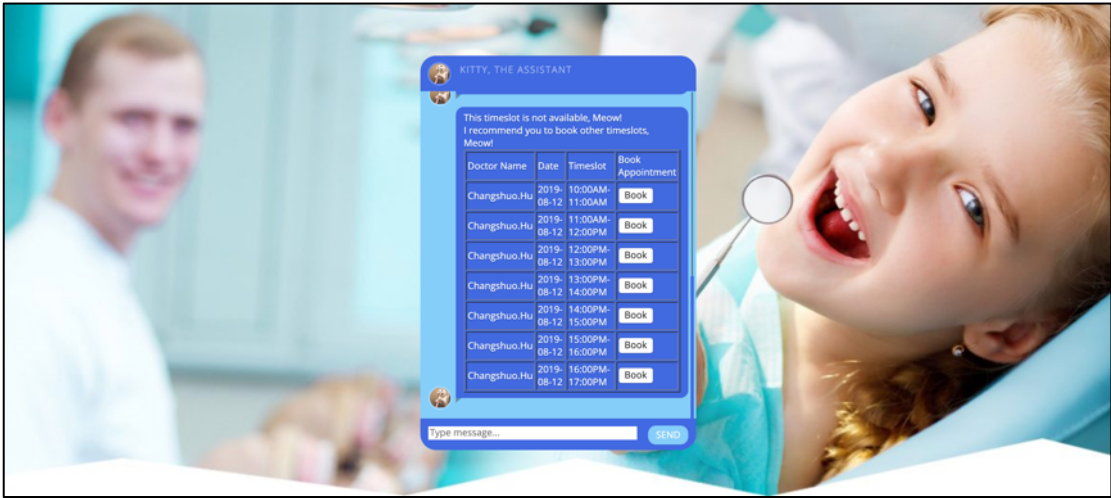
2. The bot asks the client for the preferred doctor and provide information about the doctor



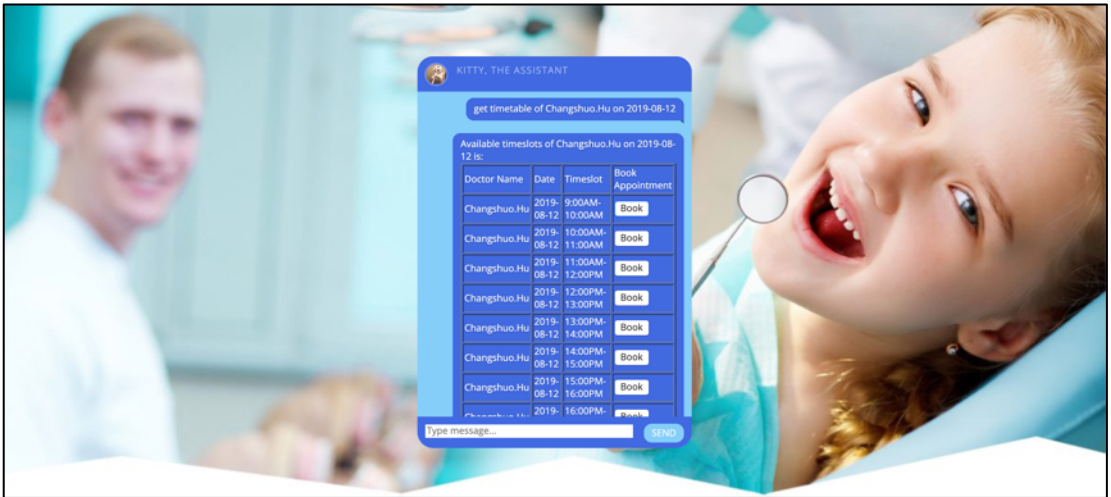
3. The bot can list all the available doctors in the clinic and the client can choose



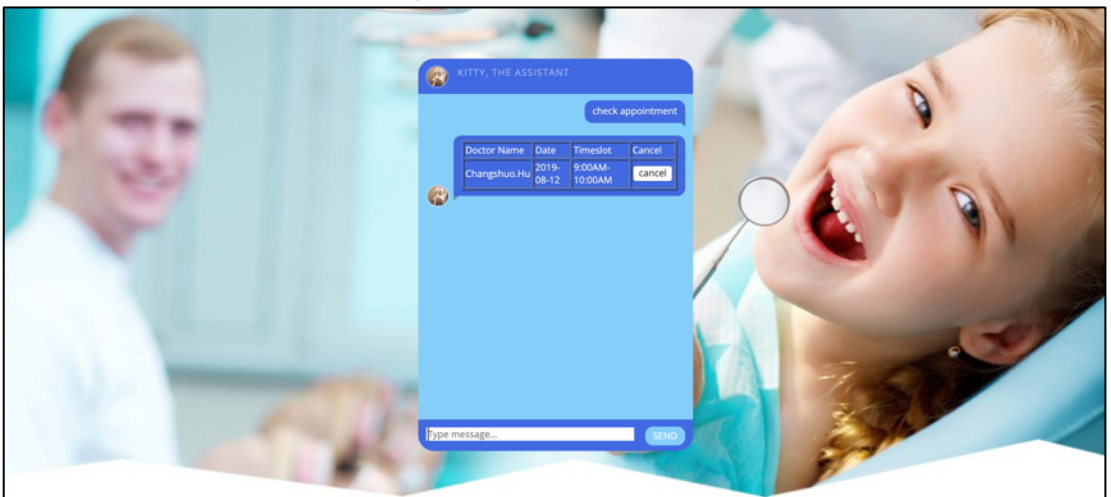
4. The bot can check if the selected timeslot is already reserved and suggest another timeslot (When you clicked any timeslot more than once)



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



6. The bot can confirm the booking and summarize at the end.



7. The bot can cancel the booking if the client requested it and ask for confirmation.

