

# COMP9322 – z5081777 – Supratik Bakshi

## Deployment Instructions

Note: This bot was developed on **Windows** so these instructions are based on how it was run by me personally

Requirements:

- Download ngrok.exe
- Python: The DentistAPI, TimeslotAPI work on Python3 while the Webhook works on Python2
  - Everything in requirements.txt
- Docker
- Diagflow Account:
  - Email: [z5081777comp9322ass1@gmail.com](mailto:z5081777comp9322ass1@gmail.com)
  - Password: Comp9322
  - Link to chatbot (after deploying everything) - [https://bot.dialogflow.com/comp9322ass1\\_z5081777](https://bot.dialogflow.com/comp9322ass1_z5081777)
  - I have also included the .zip file in the submission of the bot so one can use their own Diagflow account > create new bot > restore from zip

## Deploying the Chatbot

By default:

- DentistAPI listens on port **5001**
- TimeslotsAPI listens on port **5002**
- WebHookAPI listens on port **5003**

In the location where the docker file is in the dentistAPI run:

- `docker build . -t dentistapi`
- `docker run -p 9999:5001 -name dentistapi dentistapi`

In the location where the docker file is in the timeslotsAPI run:

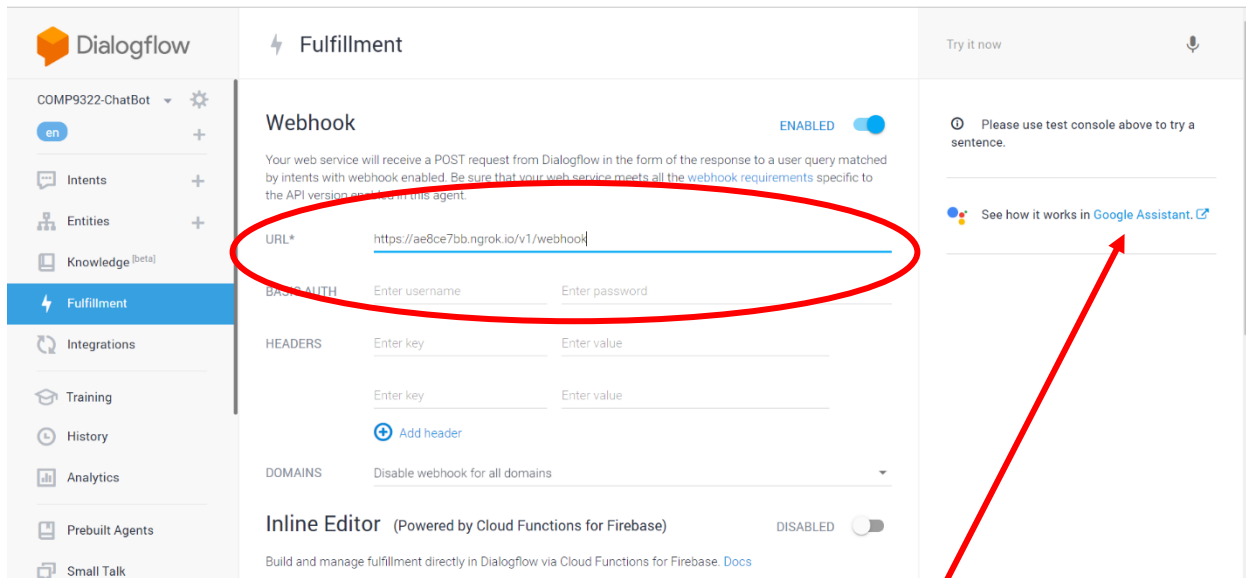
- `docker build . -t timeslotsapi`
- `docker run -p 9998:5001 -name timeslotsapi timeslotsapi`

In the webhookAPI, go into app/demo/ and run:

- `python __init.py__`

After running the webhookAPI, open ngrok.exe and run the command:

- `ngrok http 5003`
- Copy and Paste the “https” URL into the fulfillment textbox as shown below



Once that URL is saved the bot can either be used by clicking or by visiting :  
[https://bot.dialogflow.com/comp9322ass1\\_z5081777](https://bot.dialogflow.com/comp9322ass1_z5081777)

Swagger Links:

DentistAPI: <https://192.168.99.100:9999/static/swagger-ui/index.html#/>

TimeslotsAPI: <https://192.168.99.100:9998/static/swagger-ui/index.html#/>

IMPORTANT NOTE:

- As this bot was made on Windows hence I did not have to sign up to use ngrok so I have not included anything in my implementation
- When the API's were deployed with docker, the base URL looks like this:  
<http://192.168.99.100:9998/v1/>

For MAC or Linux I believe they look like <http://localhost:9998/v1> . IF this is the case, code would have to be edited in lines 14 and 15 in the webhook.py file found in: `webhookAPI\app\demo\v1\api` as shown below

```
14 dentistUrl= "http://192.168.99.100:9999/v1/dentists"
15 timeslotsUrl = "http://192.168.99.100:9998/v1/timeslots"
16
```