Personal Career Manager Software Agent Chatbot

User Guide

Team Name: Team10

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NUS-ISS Master of Technology in Intelligent Systems

ISY5001 Cognitive System

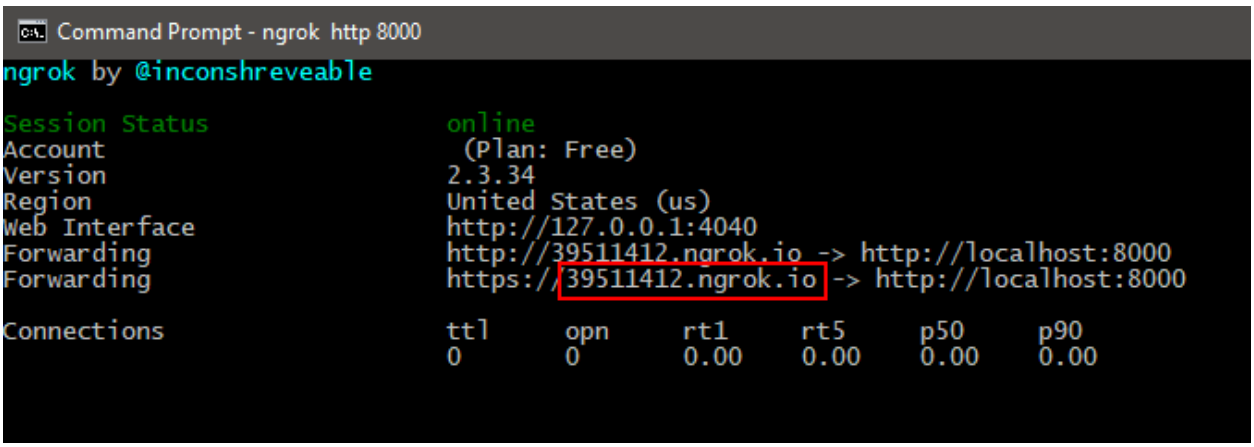
Setup:

Step 1) Clone or download zip from https://github.com/raymondng76/IRS-CS-2019-07-29-IS1FT-GRP-Team10-Personal-Career-Manager-Software-Agent

Step 2) Download ngrok executable from www.ngrok.com.

Step 3) Launch a command console and run the following command.

```
ngrok http 8000
```



*Note: ngrok is hosted in the United States, it is possible for network timeout when using the chatbot during United States daytime due to busy traffic.

Step 4) Navigate to the cloned project folder and open the settings.py file from the following folder with any text editor,

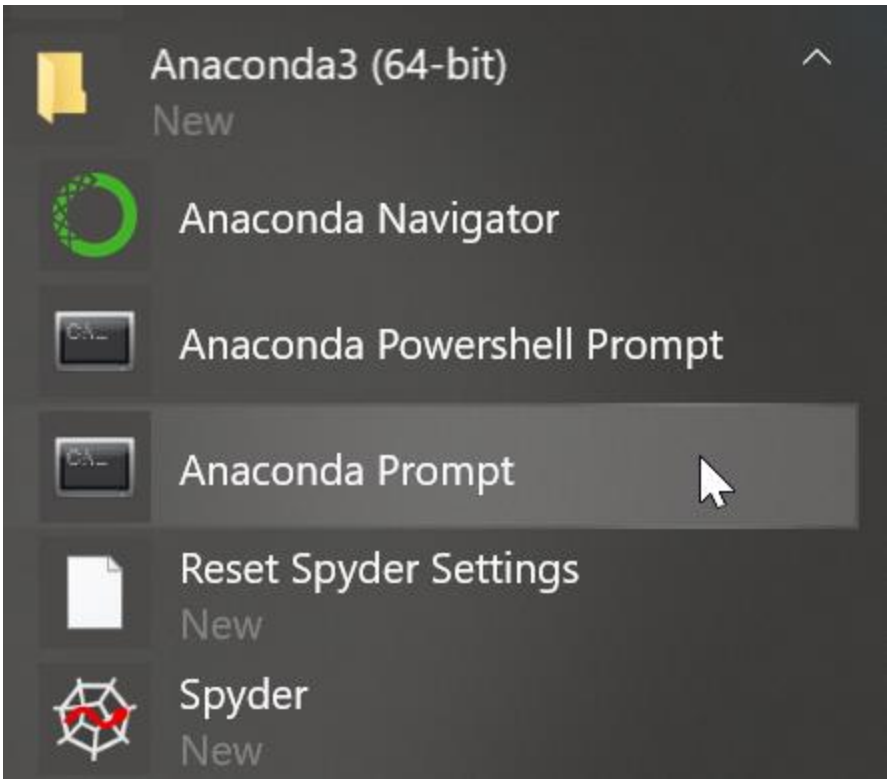
.\IRS-CS-2019-07-29-IS1FT-GRP-Team10-Personal-Career-Manager-Software-Agent\SystemCode\Level_Up_Chatbot\Level_Up\settings.py

Step 5) Copy the https address (omit '**https://**') shown on Step 3 (highlighted in red box) and paste it to the '**ALLOWED_HOSTS**' section in the '**settings.py**' file as shown below, save and close the file. (Note: This step needs to be repeated everytime ngrok is re-launched).

```
ALLOWED_HOSTS = [
    '39511412.ngrok.io',
    '127.0.0.1',
    'localhost'
    ]
```

Step 6) Install Anaconda from www.anaconda.org

Step 7) Launch Anaconda prompt from start menu (right click and run as administrator)



Step 8) From the Anaconda prompt console, enter the follow command to create a virtual environment.

```
conda create --name levelup python=3.6 django=2.2.4
```

```
Administrator: Anaconda Prompt

(base) C:\WINDOWS\system32>conda create --name levelup python=3.6 django=2.2.4
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\ProgramData\Anaconda3\envs\levelup

  added / updated specs:
    - django=2.2.4
    - python=3.6


The following NEW packages will be INSTALLED:

  certifi            pkgs/main/win-64::certifi-2019.6.16-py36_1
  django             conda-forge/win-64::django-2.2.4-py36_0
  pip                pkgs/main/win-64::pip-19.2.2-py36_0
  python             pkgs/main/win-64::python-3.6.9-h5500b2f_0
  pytz               pkgs/main/noarch::pytz-2019.2-py_0
  setuptools         pkgs/main/win-64::setuptools-41.0.1-py36_0
  sqlite             pkgs/main/win-64::sqlite-3.29.0-he774522_0
  sqlparse           pkgs/main/noarch::sqlparse-0.3.0-py_0
  vc                 pkgs/main/win-64::vc-14.1-h0510ff6_4
  vs2015_runtime     pkgs/main/win-64::vs2015_runtime-14.15.26706-h3a45250_4
  wheel              pkgs/main/win-64::wheel-0.33.4-py36_0
  wincertstore       pkgs/main/win-64::wincertstore-0.2-py36h7fe50ca_0


Proceed ([y]/n)? y

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate levelup
#
# To deactivate an active environment, use
#
#     $ conda deactivate


(base) C:\WINDOWS\system32>
```

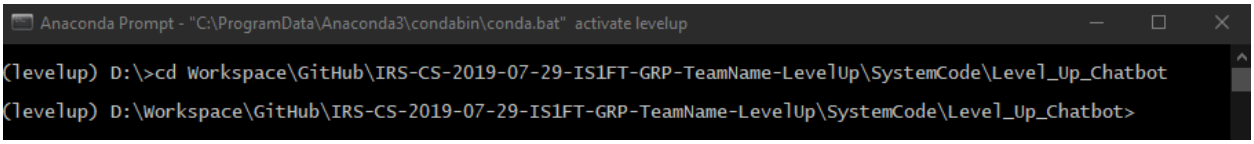
Step 9) Enter the following command to activate the newly created environment.

```
conda activate levelup
```

Step 10) Install Experta package with the following command

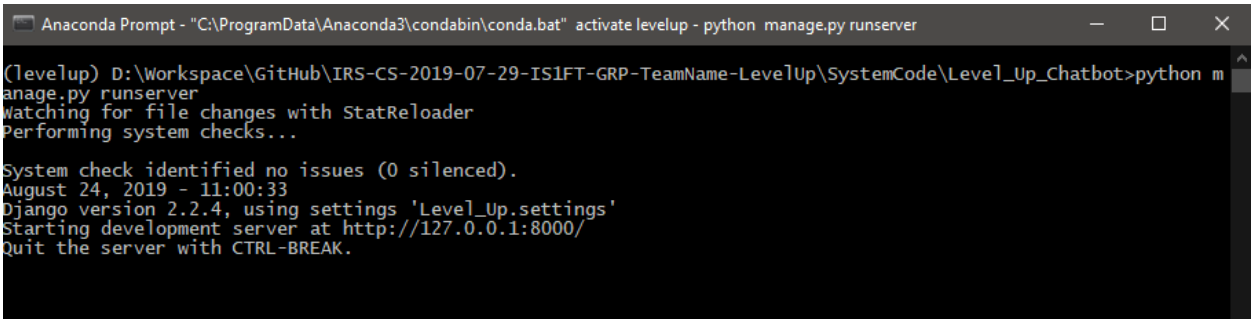
```
pip install experta==1.9.1
```

Step 11) Navigate to the **Level_Up_Chatbot** folder of the cloned Github project.



Step 12) Enter the following command to start the Django server.

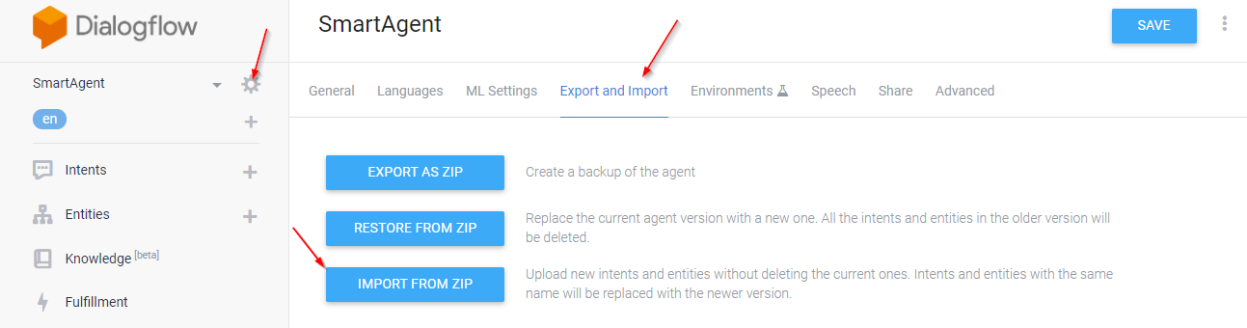
```
python manage.py runserver
```



Step 13) Go to www.Dialogflow.com and sign in with Google account. Click on '**Open Console**' from the top right.

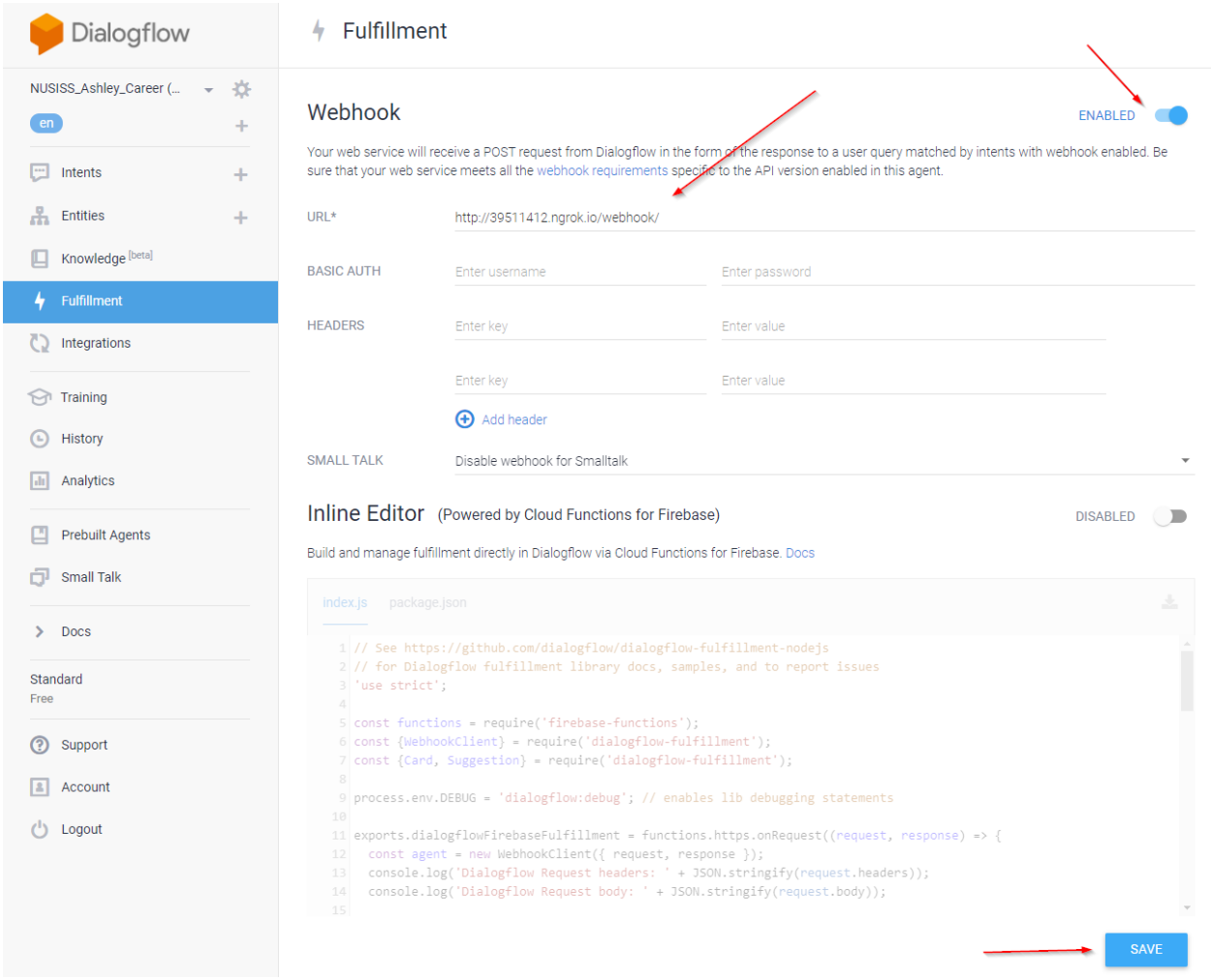
Step 14) Click on the gear icon then click on '**Export and Import**' tab. Click on '**IMPORT FROM ZIP**' button and select the zipped intent packages from the cloned Github project '**SystemCode**' folder as shown below.

.\IRS-CS-2019-07-29-IS1FT-GRP-Team10-Personal-Career-Manager-Software-Agent\SystemCode\Team10_Personal Career Manager Software Agent - Dialogflow Intents.zip



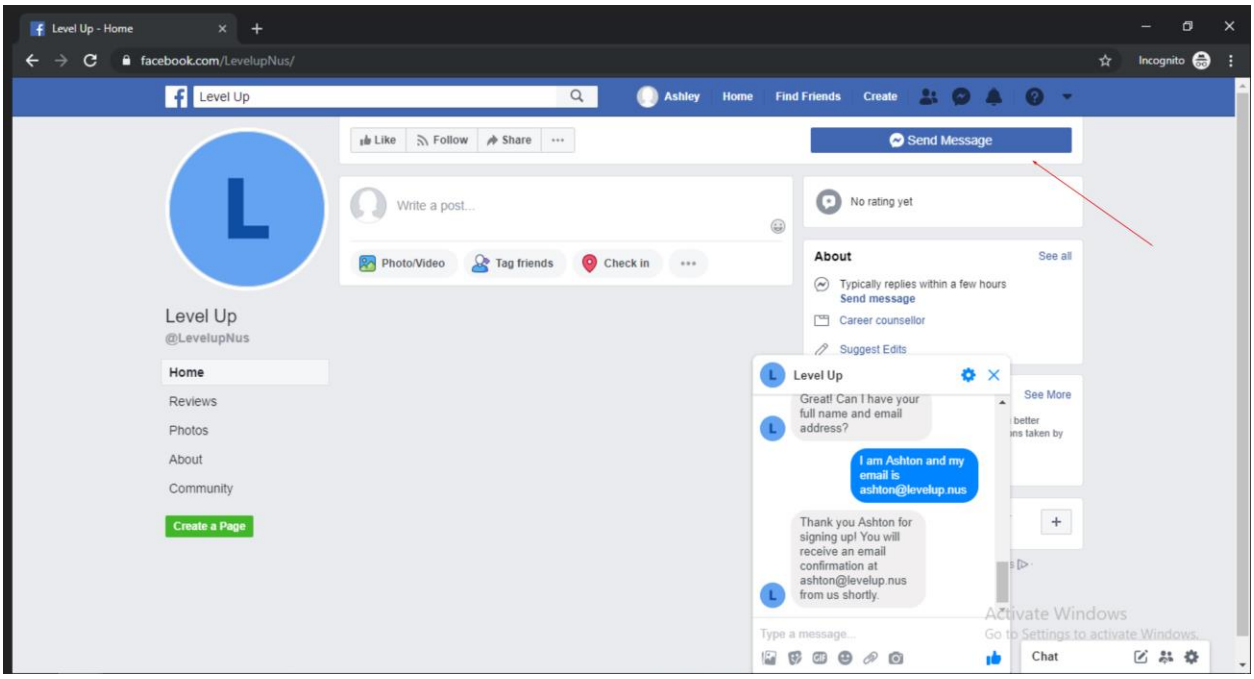
Step 15) Select the imported agent from the top left and click on the 'Fulfillment' tab.

Step 16) Enable the webhook if it is not enabled already. Enter the full ngrok address from Step 3 with a '**/webhook/**' suffix in the URL field. Press save button at bottom right once done.



Step 17) Go to www.facebook.com and login with the credentials zipped with the submission folder.

Step 18) Go to www.facebook.com/LevelUpNus and click on '**Send Message**' button to start the chatbot.


Level Up - Home
facebook.com/LevelupNus/
Incognito
Level Up
Ashley
Home
Find Friends
Create
Like
Follow
Share
Send Message
Write a post...
Photo/Video
Tag friends
Check in
No rating yet
About
See all
Typically replies within a few hours
Send message
Career counsellor
Suggest Edits
See More
Level Up
@LevelupNus
Home
Reviews
Photos
About
Community
Create a Page
Level Up
Great! Can I have your full name and email address?
I am Ashton and my email is ashton@levelup.nus
Thank you Ashton for signing up! You will receive an email confirmation at ashton@levelup.nus from us shortly.
Type a message...
Chat
Activate Windows
Go to Settings to activate Windows.