SIT 788

Assignment 8.1: create a bot using Azure

In this task, the aim is to create an Azure Echo Bot using the bot framework SDK.

Step 1: To use the bot framework SDK, install the libraries required.

```
(Base) C:Wisers\singh\Documents\MastersAppliedAlDeakin\SI778E_Engineering_AI_Solutions\Assignments\Lecho_botpip install botbuilder-core
Requirement already satisfied: botbuilder-core in c:\wwers\singh\anaconda\Silb\site_packages (from botbuilder-core) (4.14.2)
Requirement already satisfied: botbuilder-core one-consequent and before amendation before a service of the service o
```

Step 2: Once the libraries are installed, fetch the echo bot template and the dependencies. Provide the bot with a name and description.

```
Anaconda Prompt (anaconda)

(hase) C:\Users\singh\Documents\MastersAppliedAIDeakin\SIT788_Engineering_AI_Solutions\Assignments>cookiecutter https://github.com/microsoft/BotBuilder-Samples/releases/download/Templates/echo.zip
bot_downloadd C:\Users\singh\Cookiecutters/echo.zip before. Is it okay to delete and re-download it? [yes]: yes
bot_description [Demonstrate the core capabilities of the Microsoft Bot Framework]: A bot that echoes back user response
(hase) C:\Users\singh\Documents\MastersAppliedAIDeakin\SIT788_Engineering_AI_Solutions\Assignments>
```

Step 3: After fetching the template, change the working directory to the template and install the prerequisites.

```
(base) C:\Users\singh\Documents\MastersAppliedAIDeakin\SIT788_Engineering_AI_Solutions\Assignments>cd echo_bot

(base) C:\Users\singh\Documents\MastersAppliedAIDeakin\SIT788_Engineering_AI_Solutions\Assignments\echo_bot>pip install -r requirements.txt

Collecting botbuilder_integration-aiohttp>=4.14.0

Downloading botbuilder_integration_aiohttp>=4.14.2-py3-none-any.shl (18 k8)

Requirement already satisfied: botframework-connector==4.14.2 in c:\users\singh\anaconda3\lib\site-packages (from botbuilder_integration-aiohttp>=4.14.0->-r requirements.txt (line 1)) (4.14.2)

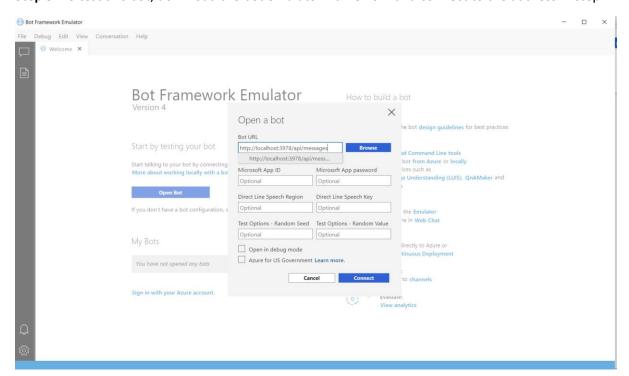
Requirement already satisfied: botbuilder-core==4.14.2 in c:\users\singh\anaconda3\lib\site-packages (from botbuilder-integration-aiohttp>=4.14.0->-r requirements.txt (line 1)) (4.14.2)

Requirement already satisfied: botbuilder-core==4.14.2 in c:\users\singh\anaconda3\lib\site-packages (from botbuilder-integration-aiohttp>=4.14.0->-r requirements.txt (line 1)) (4.14.2)
```

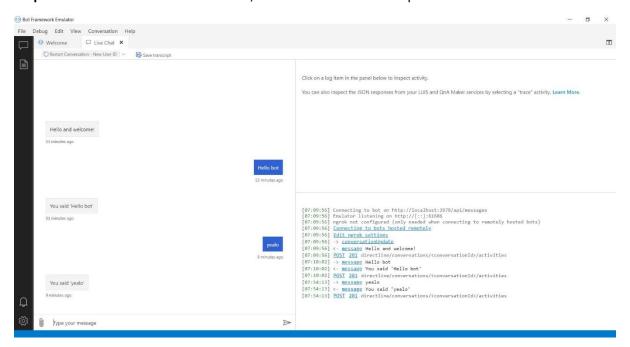
Step 4: Once the dependencies are installed then simply run app.py.

```
(base) C:\Users\singh\Documents\MastersAppliedAIDeakin\SIT788_Engineering_AI_Solutions\Assignments\echo_bot>python app.py
======= Running on http://localhost:3978 =======
(Press CTRL+C to quit)
```

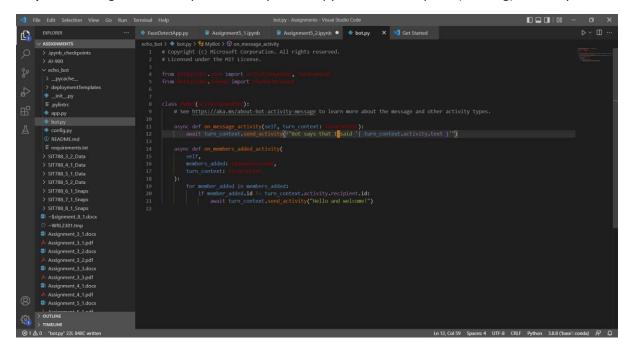
Step 5: To test this bot, download the bot emulator framework and connect to the address in step 4.



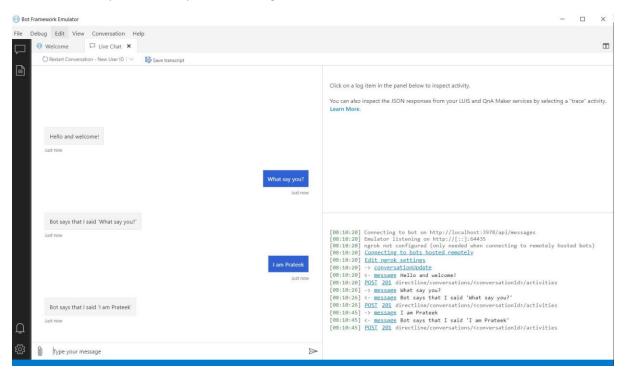
Step 6: Once the emulator is connected, test the bot with user response.



Step 7: To change the bot response modify the bot.py file in the template (working) directory.



Step 8: Once the response is changed then rerun app.py with the updated bot.py and test in emulator. The bot now responds with updated messages.



^{*}bot.py file can be customized to run with various real-world use cases.