Automation Track Webinar 4: Homework – Tea Bot

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For the 4th week's homework, we were proposed to do a chatbot of our choice (could not be related to networking). Upon doing some research, I have found a Tea API and thought of doing a Tea Bot which tells you the benefits of a given tea and its country of origin.

These are the following commands you can use with the bot:

help	Displays all available commands
tea [teaName]	Displays the origin and benefits of a given tea name.

Here are some screenshots of the working bot in a Webex conversation:

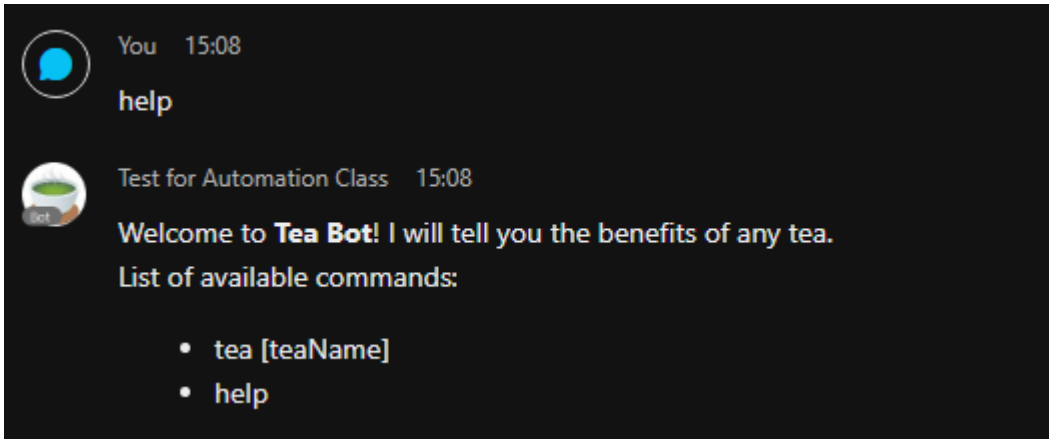

Figure 1 – help command

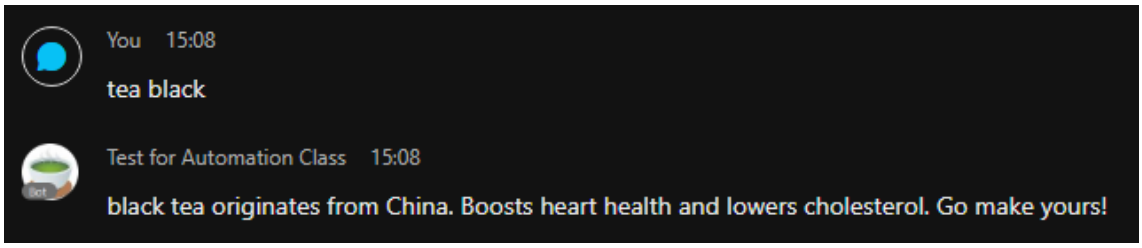

Figure 2 – Successful tea search

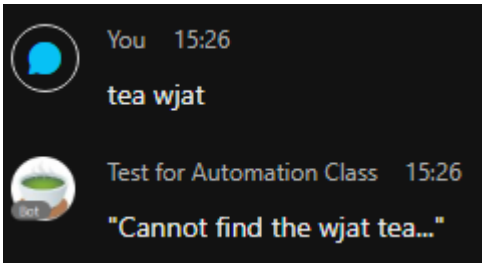

Figure 3 – Unsuccessful tea search

How does the bot get data from the API?

For this, a GET request is done to the API's url (https://tea-api-vic-lo.herokuapp.com) with the /tea/:teaName string added in the end, so it can get data only from one tea. So, for example, if the teaName is "black", the bot with do a GET request to https://tea-api-vic-lo.herokuapp.com/tea/black which will return some JSON attributes:

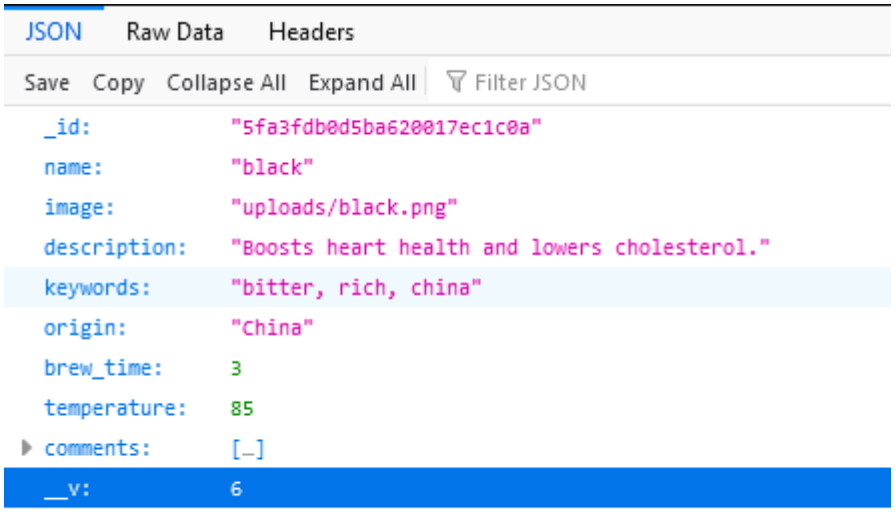

Figure 4 – JSON response to the https://tea-api-vic-lo.herokuapp.com/tea/black URL

Then, the python program will manipulate this data, retrieving the "description" and the "origin" fields and concatenating them in a new string, which is the string that will be presented by the bot to the user.