CHATBOT DEPLOYMENT WITH IBM CLOUD WATSON ASSISTANT CAD\_PHASE 4

**TEAM**

**S.SWETHA**

**A.VARSHA**

**P.KAJOEL**

**J.JAEL BENEDICTIA**

**JP KAVIYA**

**INTRODUCTIOM**

**Facebook is a popular social media platform founded by Mark Zuckerberg in 2004. It allows users to connect with friends and family, share content, and engage with various communities. Keep in mind that my knowledge is based on information available up until January 2022, so if there have been any recent developments or changes with Facebook after that date, I might not be aware of them.**

**1. \*\*Create a Facebook Developer Account\*\*:**

**- Go to the Facebook Developer portal (**[**https://developers.facebook.com/**](https://developers.facebook.com/)**) and sign in with your Facebook account.**

**- Create a new app. This will give you access to an App ID and App Secret, which you’ll need for authentication.**

**2. \*\*Install Required Libraries\*\*:**

**- You’ll need to install the `requests` library in Python, which will allow you to make HTTP requests to the Facebook API. You can do this with the following command:**

**```**

**Pip install requests**

**```**

**3. \*\*Understand OAuth Authentication\*\*:**

**- Facebook’s Graph API uses OAuth for authentication. You’ll need to obtain an access token to make API requests. This token is obtained by exchanging your App ID and App Secret. There are different types of access tokens depending on what you want to do (user access tokens, page access tokens, etc.).**

**4. \*\*Make API Requests\*\*:**

**- You can now start making requests to the Graph API using the `requests` library in Python. For example, you can use the following code to get information about a user:**

**```python**

**Import requests**

**Access\_token = ‘YOUR\_ACCESS\_TOKEN’**

**User\_id = ‘USER\_ID’**

**url = f’https://graph.facebook.com/{user\_id}?access\_token={access\_token}’**

**response = requests.get(url)**

**user\_data = response.json()**

**print(user\_data)**

**```**

**5. \*\*Handling Responses\*\*:**

**- The API will respond with JSON data. You can parse this data in your Python program to extract the information you need.**

**6. \*\*Respecting Privacy and Permissions\*\*:**

**- Remember to respect user privacy and adhere to Facebook’s API usage policies. Always request the necessary permissions and only access data that the user has granted you permission t**

**7. \*\*Explore the API Documentation\*\*:**

**- The Facebook Graph API documentation (**[**https://developers.facebook.com/docs/graph-api**](https://developers.facebook.com/docs/graph-api)**) is a valuable resource. It provides detailed information on available endpoints, request parameters, and expected responses**

**HOW TO DOWNLOAD FACEBOOK IN PYTHON**

To log in to Facebook, we will use a Python Script that drives Selenium. The Selenium Python Script will

**Step 1)** Open Firefox

**Step 2)** Navigate to Facebook

**Step 3)** Search & Enter the Email or Phone field & Enter Password

**Step 4)** Click Login

Here is a quick video on the system will work

Note: You can configure Selenium to use any browser like Chrome, Safari, IE, etc. In this tutorial, we will use FireFox

**What do you need to Install?**

Ensure you have Selenium installed on your PC. Refer this link to learn to install Selenium

Use this link to install Python for Selenium

**Code to Login into Facebook using Python**

from selenium import webdriver

from selenium.webdriver.support.ui import WebDriverWait

int (selenium):

Selenium =a:

int(a):

browser = webdriver.Firefox()

browser.get("http://www.facebook.com")

username = browser.find\_element\_by\_id("email")

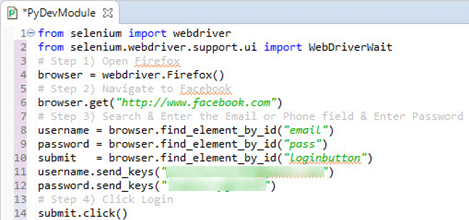
password = browser.find\_element\_by\_id("pass")

submit = browser.find\_element\_by\_id("loginbutton")

username.send\_keys("you@email.com")

password.send\_keys("yourpassword")

submit.click()



**Explaination of code**

* **Code line 1**: From selenium module import webdriver
* **Code line 2**: From selenium module import Keys
* **Code line 4**: In this line, we are initializing “FireFox” by making an object of it.
* **Code line 6**: The “browser.get method” will nagivagte to a page given by the URL. WebDriver wait until the page has been completely loaded (that is, the “onload” occasion has let go), before returning control to your test or script.
* **Code line 8**: In this line, we are finding the element of the textbox where the “email” has to be written.
* **Code line 9**: In this line, we are finding the element of the textbox where the “password” has to be written.
* **Code line 10**: In this line, we are finding the submit button element which we need to click
* **Code line 11**: Now we are sending the values to the email section
* **Code line 12**: Sending values to the password section
* Code line 14: Click on the “Submit” button

**Sample Output**

The values of the username “guru99” and password entered

