

Mini Project Python: - Browser WhatsApp Automation

Author-Aishvarya Birambole

Browser Automation

As the name suggests we need to automate our browser, if we need to automate our browser, we should use browser automation. This is very much possible in python and this is a very easy task to do in python. Suppose we open a website and we click on some links, whatever we do there we need to automate that, so in order to automate all the things that we do on a website we need to write a script for it and this script will use python. So, by using the browser automation library of python we can automate all those things on browser which we do manually on browser.

We can write scripts in python to automatically open the browser which you want, also we can write code such that we can search automatically and as well we can choose websites automatically and open them. This all is nothing but we can search our requirement on the browser without opening it manually, without searching manually for our requirement. For doing all this stuff the web driver of your browser needs to be installed in your system and as well as the selenium library needed for the automation.

Browser Automation WhatsApp using Python!

As we have seen what browser automation is, Now let's see how we can automate our WhatsApp on browser. Normally we go to the WhatsApp web to run the WhatsApp on our system without installing WhatsApp app. At that time, we just have to open WhatsApp web in our browser then we have open WhatsApp in our phone and using WhatsApp web we have to scan the QR code which is displayed in your system on WhatsApp web site. So, like this you can use your WhatsApp on your system with the help of a browser. We did everything manually to open WhatsApp. Now we will write a python script for this to automatically open WhatsApp web on the browser. Not only we open it automatically, we can automatically send messages or other attachments to our friends.

Let's see how we can do it:

- First you must install selenium library
- Then install web driver called Chrome web driver
- In the python window call for selenium and the web browser that you have installed.
- Open WhatsApp web using web driver. Then the WhatsApp window of the WhatsApp web in the browser will pop up then scan QR code with your phone's WhatsApp web.
- In the python window select the target contact and write messages for the target.
- Then you need to write a function to locate the target and open its WhatsApp chat box.
- Next step is to locate its message box for this, find the path for it by inspecting and put it in the script.
- That's it then uses for loop for how many times u need to send messages and use keys enter in script.

Future Work:

- For future work we wrote code for sending multimedia files like images automatically through python script.
- We merge both the code for sending messages as well as images at same time.