ZENSE PROJECT
TOPIC - AUTOMATION

IDEA

These days there is a huge increase in online shopping. We all order different stuff from ecommerce sites like Flipkart, Amazon etc. But there are some items which we need to order daily or in every 2-3 days. This task takes much effort. So the idea behind this project is basically to reduce the effort of ordering daily needed items from Flipkart. This project will allow the user to order these items by simply typing a message in a particular format on whatsapp.

Technology used and implementation details

This program is coded in python language. Selenium module is used to achieve automation. I have also used chrome driver so as to run the code using chrome.

Actually I started my project using Amazon. But during the process Amazon detected the presence of automated software and gave captcha in the process of login. So it became impossible for me to proceed further. So I switched to Flipkart.

Last problem which still exists in my code is that sometimes(not many often) Flipkart displays a different kind of login page. I also used try except feature of python but still it shows error sometimes. I am still working on this error.

Link to the video

Youtube Link

https://youtu.be/5aq52lLZaKo

Future scope of my project

With the help of this program, one can order daily stuff without searching it again and again on flipkart and then adding them into cart and then proceeding it to checkout. Even the company(Flipkart) itself could set up chatbots on whatsapp which could obviously implement it in a much better way. The users could order stuff simply by typing a message on whatsapp. This would save the user's time and effort and would improve their experience. A service similar to this idea exists which is provided by

Amazon in USA called as Amazon Dash. Instead of whatsapp or any other messaging service, they are using hardware buttons. These buttons are linked to a particular product. If the user presses the button in a certain pattern, the item will automatically get ordered. So if these type of buttons are replaced by chatbots on Whatsapp(which is used the most by the users), it would make shopping much more simpler!

Click on the link below to know more about Amazon Dash:

https://en.wikipedia.org/wiki/Amazon_Dash

How was your overall experience while doing the project

Overall it was an amazing experience since I learnt a lot about automation and using Selenium for achieving it. Basically I got to know about ways through which we can reduce human effort by automating daily repeated tasks which also sounds cool and is the trending field these days.