

ZENSE PROJECT

Topic – Automation using Selenium

Idea:

The idea behind this project is to reduce effort of waking upto midnight to wish someone on his/her special occasion or to send reminders to someone to the mentioned date and time or saving time to send Mail in bulk. Even if we forget to send message, nothing will happen as message will be automatically sent.

Technology Used and Implementation details:

This automated program has been programmed in python language and uses the predefined library of python known as "Selenium". Selenium is an open-source web-based automation tool. AutoIt Scripting has been used to access through OPERATING SYSTEM at some point like sending videos to someone via whatsapp web.

My initial plan was to include Facebook upto end (sending message automatically but Facebook is being protected so I am unable to automate it .It may be my fault that I am unable do that) but it didn't workout properly.

I started my journey with whatsapp web first, automating was not much difficult because finding element was rather a easy task also almost all element have unique id or class or xpath. I had a hard time sending video and GIFs.

After this I was wandering if this much will be okay for Zense or not. So I thought of using Yahoo Mail and Gmail. But Gmail is being much protected so I am unable to use automation upto a level which can be useful in daily life. I am able to automate Yahoo Mail. On working on Whatsapp web I faced problems to send Emoji, GIFs, Videos and Documents. But some of them have been solved and some are not. I am now facing difficulty with sending videos.

After this I started working on Facebook Messenger. The problem in Facebook Messenger is that some of the elements on Facebook are unclickable and uninterruptable so I have to take another path. Now using my program one can reach upto messenger of Facebook to send message. At last I am able to send message to bulk of people, GIFs related to content or Yahoo Mail or Messenger.

Link to Video of Project:

1. <https://youtu.be/W4nqQPT2HR8>

Future scope of my Project:

This project can be extended further onto various other domains like sending information at time to numerous people. If someone is unable to receive message through Whatsapp we can send through Yahoo Mail eventually if not received by him/her through Whatsapp.

We can send Happy Clips, GIFs, Videos scheduled through this program. If your relatives, near ones have special occasion at that day message will be sent, no matter you forget to send. It can be used in companies to send messages to their employees or in co-operative society to make their a little bit easy.

Overall experience by choosing this topic:

My overall experience is something that I can't explain by words. I learn a lot of much things through my journey in this project.

Automation has lot much to do with it. We can make our life much easier with this amazing field. Automation can be expanded at a very much high level of our daily based usage or may be higher level.