

SYNOPSIS

Project Title: GUI web base social networking site automation

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Group Members:

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Project Idea:

- Social networking sites automation is a web base framework which we can directly login into various social sites like Instagram, Facebook and Twitter. In this mini project we used python GUI framework Tkinter and web based tool selenium library for automation which we can connects our login application to web browser through the selenium web driver. Selenium is an open-source testing tool, which means it can be downloaded from the internet without spending anything.
- Selenium is a functional testing tool and also compatible with non-functional testing tools as well. First we need install selenium library and download selenium web driver from google chrome. A selenium web driver works on a bridge the gap between graphical user-interface application or various application to web browser which we enters our username and password in our page and login it, after the login the web driver reads the data and process it after the process, it opens onto the web browser like Google Chrome, Firefox and various web browsers.
- After the login it will shows the message or password save notification on browser. This mini project shows new technology which we connects GUI application to open source web tools using python and various programming languages, It's helpful to learn advance concept and build our new system.

● Working Of Application:

- Create different GUI windows for different login pages .
- Create username and password GUI page for different sites automation
- If username and password not entered then it will show error message in a web application
- In other part we have to create selenium web driver for connecting GUI application and web application
- Create path for username, password and login content
- Enter your registered username and password on GUI page and submit it
- The selenium web driver reads the data and connects to the web application
- The result shows onto the web application

● Advantages:

- Language and Framework Support.
- Open Source Availability.
- Multi Brower Support.
- Support Across Various Operating System.

● Requirements:-

❖ Software Requirements:

- Windows 10 or various
- Visual Studio Code
- Python 3.7
- Google chrome

❖ Hardware Requirements:

- Processor – Core i3
- Hardisk – 1TB
- Memory – 1GB RAM

Flow chart:

