Group 9 Selenium Lab

What is Selenium and how to use it.

Overview:

Placeholder for text.

Getting Started

To get started using Selenium and the Selenium example script, follow these steps:

1. Setup Environment:

* Run the following command to clone the repository from GitHub:

git clone [git@github.com:CSC-256-Group\_Project-9/Group-9-Selenium-Lab.git](mailto:git@github.com:CSC-256-Group_Project-9/Group-9-Selenium-Lab.git)

* Go to the Group-9-Selenium-Lab:

cd .\Group-9-Selenium-Lab\

* Run the following command to swap to the basic-scripting branch:

git checkout basic-scripting

1. Activate Virtual Environment:

* This will create a virtual environment in the current directory which can be used to install new python modules:

python -m venv venv

* The virtual environment needs to be activated after being created. For **PowerShell**, if you have already enabled script execution for your system, you may skip the following step, otherwise, in an elevated terminal (Administrator privileges) run the following command:

set-executionpolicy remotesigned

* After script execution is enabled, run the following command to activate the virtual environment:

.\venv\Scripts\Activate.ps1

* At this point, you should see (venv) at the beginning of each prompt.

1. Install Requirements.txt:

* To install the requirements for this script, use pip to install requirements from requirements.txt.

pip install -r requirements.txt

1. Download Web Driver:

* **This step was not required to get Selenium to work during testing**.
* **For Chrome**:

Check your Chrome version.

Navigate to Chrome for Testing availability and locate your installed version of Chrome. Visit the link labeled chromedriver for your platform.

Inside the downloaded zip file, locate chromedriver.exe and move it to the drivers directory for this repository.

1. Test Installation:

* Run the test\_installation.py script.

python ./test\_installation.py

* Expected output:

Devtools listening on ws://127.0.0.1…

Installation verified

1. Example Script:

* You may run the example\_test\_script.py the same way you ran the test\_installation.py script.

python ./example\_test\_script.py