

README:

IDEA Capstone

Things to do Before Running Project

Our programs used both Firefox selenium web driver and Chrome selenium web driver. So, the users needed to do the setup for both.

For Firefox Selenium Driver:

- Download Firefox web browser
 - The project need it to use Selenium web crawler
 - <https://www.mozilla.org/en-US/firefox/new/>
- Installing and Setup Gecko driver
 - The Selenium web crawler need this driver
 - <https://github.com/mozilla/geckodriver/releases>
 - Download Guide
 - For Apple M1 or M2 chip, download macos-aarch64.tar.gz
 - For Mac with other chips, download macos.tar.gz
 - This is what the developer downloaded
 - For Windows or Linux, please select corresponding driver to download
 - After Downloading Guide
 - **NOTE:** After downloading, you will unzip to get a geckodriver.exe, and place it into an appropriate folder for running this app. The guide below works for MAC (intel & apple chips). However, if your computer uses different architecture, you need to Google for a tutorial for placing this geckodriver.exe file.
 - Unzip the downloaded Gecko driver file, get geckodriver.exe
 - place it under directory "/usr/local/bin"
 - To find the "/usr/local/bin" location, open Finder and click Macintosh HD (the name of your Mac drive) under Locations, Press Shift + ⌘ + . (point) to reveal hidden system files and folders. Click the grayed-out usr folder and then open the bin folder.
 - Open a terminal, go to "/usr/local/bin/" using command "cd /usr/local/bin/", then typing "chmod +x geckodriver" to give the executable permission to the driver.

For Chrome Selenium Driver:

- Download Chrome web browser (execute in terminal)

- `wget https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb`
 - `sudo dpkg -i google-chrome-stable_current_amd64.deb`
 - `sudo apt-get install -f`
 - `google-chrome --version`
- Install Chrome driver (execute in terminal)
 - `wget`
<https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/120.0.6099.71/linux64/chromedriver-linux64.zip>
 - `unzip chromedriver-linux64.zip`
 - `cd chromedriver-linux64`
 - `sudo mv chromedriver /usr/local/bin/`

Python Packages to Install Before Running

- `pip install selenium`
- `pip install openai`
- `pip install csv`

Run The Project

- Open the python files in any IDE like Spyder, VSCode, PyCharm to run