SELENIUM PROJECT

Mini project of House of Dragon using Selenium

A mini project based on House of the Dragon using Selenium could involve automating tasks related to gathering information about the TV series. Here's a theoretical outline of such a mini project using Selenium:

Set up the environment:
Install Selenium and the appropriate WebDriver for your browser (e.g., ChromeDriver). Import the necessary modules in your Python script.

Launch the web browser:
Initialize the WebDriver (e.g., ChromeDriver). Open the House of the Dragon website or any relevant webpage.

Perform web scraping:
Use Selenium to locate and extract specific information from the webpage, such as the cast members, episode titles, release dates, or any other details of interest. Utilize appropriate methods provided by Selenium, such as find_element_by_xpath(), find_element_by_css_selector(), or find_elements_by_tag_name(), to locate and extract the desired information. Store the extracted information in variables or data structures for further processing or analysis.

Interact with elements:
Use Selenium to simulate user interactions, such as clicking on buttons or links. Perform actions like navigating to different pages, expanding sections, or playing trailers.

Capture screenshots or save webpage source:
Use Selenium to capture screenshots of specific sections or pages.
Save the HTML source code of the webpage for offline analysis or storage.

Perform data processing or analysis:
Process the extracted information as per your requirements.
Perform analysis, generate reports, or store the data in a suitable format.

<u>Close the web browser:</u>

Terminate the WebDriver session using driver.quit() to close the browser and release system resources.