DAY 2- Basic Navigations, WebElements

Agenda:

- Basic Navigations
- Verifying page title and page url with chromedriver
- WebElements

What I learned from the last class?

Share 3 things you learned from the last class.

1. Software Testing(Manual vs Automation Testing)
2. Selenium Installation for Mac and Windows
3. Create a selenium java class
   a. System.setProperty("webdriver.chrome.driver,"path"));//calling the chromedriver and giving the driver path
   b. WebDriver driver=new ChromeDriver();//creating the chromedriver
   c. driver.get("url");
4. Driver methods
   a. get();//opens the url
   b. close();//closing the browser
   c. quit();//quiting the browser

Warm Up:

1. Create a new class under : **BasicNavigations**
2. Create main method
3. System.setProperty("","");
   a. System.*setProperty*(**"webdriver.chrome.driver","/Users/techproed/Documents/ selenium dependencies/drivers/chromedriver"**);**//MAC SAMPLE**
   b. System.setProperty("webdriver.chrome.driver","C:\\Users\\Bayram\\Documents\ \selenium dependencies\\drivers\\chromedriver.exe"); **//WINDOWS SAMPLE**
4. Create chrome driver
5. Open google home page https://www.google.com/.

Class Work 1: Selenium Navigation Methods

1. On the same class, Navigate to amazon home page
   https://www.amazon.com/
2. Navigate back to google
3. Navigate forward to amazon
4. Refresh the page
5. Maximize the window
6. Close/Quit the browser

Class Work 2: Verify Page Title Test:

1. Create a new class: **VerifyTitleTest**
2. **Navigate to** google homepage
3. **Verify** if google title is **"google"**

Class Work 3: Verify Page URL Test:

1. Create a new class: **VerifyURLTest**
2. Navigate to **google** homepage
3. **Verify** if google homepage url is "**www.google.com**"

Review - What just happened???

- Navigations:navigate().to("url");
- back(), forward(), refresh()
- Title or URL Verification of a page
  - driver.getTitle(); driver.getCurrentUrl();
- Testing with different browsers
  - **WebDriver driver = new ChromeDriver();**
  - WebDriver driver = new FirefoxDriver();
  - WebDriver driver = new InternetExplorerDriver();

TASK 1: 10 minutes

1. Create a new class : Day1Review
2. Using ChromeDriver, Go to youtube and verify if page title is "youtube", If not, print the correct title.
3. Verify if the page URL contains youtube if not, print the right url.
4. Then Navigate to https://www.amazon.com/
5. Navigate back to youtube
6. Refresh the page
7. Navigate forward to amazon
8. Maximize the window
9. Then verify if page title includes "Amazon", If not, print the correct title.
10. Verify if the page URL is https://www.amazon.com/, if not print the correct url
11. Quit the browser

HOMEWORK:

1. Create a new class : Day1Homework
2. Using ChromeDriver, Go to facebook and verify if page title is "facebook", If not, print the correct title.
3. Verify if the page URL contains facebook if not, print the right url.
4. Then Navigate to https://www.walmart.com/
5. Verify if the walmart page title includes "Walmart.com"
6. Navigate back to facebook
7. Refresh the page
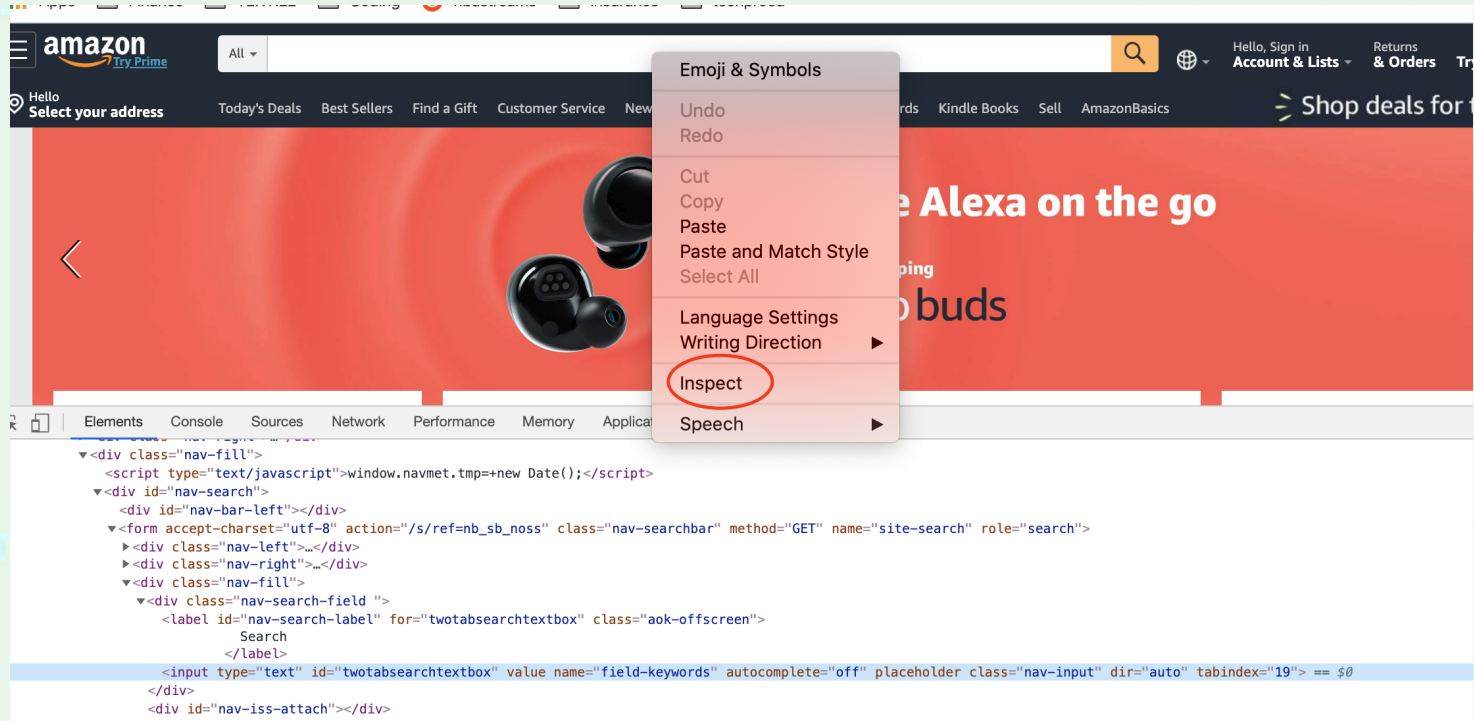8. Maximize the window
9. Close the browser

WEBELEMENTS

- Anything on the webpage is called webelement
  - Button,search box,text box,headers, tables,etc.
- There are different type of WebElement tags like **\<html\>,\<body\>,\<form\>,\<label\>,\<input\>,\<a\>.**
- We will inspect the HTML code to identify unique web elements for automation
- Together they create a webpage on the UI.

Webelement

```
▼<tbody>
  ▶<tr>…</tr>
  ▼<tr> == $0
    ▼<td>
        <input type="email" class="inputtext login_form_input_box" name="email" id="email" data-testid=
        "royal_email">
      </td>
    ▼<td>
        <input type="password" class="inputtext login_form_input_box" name="pass" id="pass" data-testid=
        "royal_pass">
      </td>
    ▼<td>
      ▶<label class="login_form_login_button uiButton uiButtonConfirm" id="loginbutton" for="u_0_b">…
      </label>
      </td>
    </tr>
  ▶<tr>…</tr>
</tbody>
```

Inspecting web pages with developer tool

1. Write click on the page
2. click inspect to find inspect the elements

LOCATORS

There are 8 selenium locators to locate an element.

1. By.id("")
2. By.name("")
3. By.className("")
4. By.tagName("")
5. By.linkText("")
6. By.partialLinkText("")
7. By.xpath("")
8. By.css("")