**Automate Ecommerce**

**Github link**

[**https://github.com/saranya611/testapp/tree/main/AssessmentProjects**](file:///C:\Users\SARANYA%20V\Desktop\repository\AssessmentProjects)

**Write up:**

* Run the Test Cases with testing test
* It will load flipkart website in both chrome and Internet Explorer browser.
* Once the Page is Loaded, It will send product name to be search in Flipkart.
* To search and add to cart, Flipkart website page is used to search the product.
* we set the system property and open chrome and maximize it

##### Next @Test will run which automate the required things.

##### And then by using TakeScreenshot , we take the Screenshot, Generate as file and saved it in eclipse with the name mentioned on it.

* Then it moves to the product iphone page and show list of Products.
* Through this command, check whether the image is loaded or not.
* Through this command , We can check whether the scroll bar is present or not

String execScript = "return document.documentElement.scrollHeight>document.documentElement.clientHeight;";

JavascriptExecutor scrollBarPresent = (JavascriptExecutor) driver;

Boolean test = (Boolean) (scrollBarPresent.executeScript(execScript));

* It displays scroll bar is present if test is true otherwise it shows scroll bar is not present
* Through this command , we can scroll

((JavascriptExecutor) driver).executeScript("window.scrollTo(0,2500);");

**Fluent Wait -**Fluent wait is a dynamic wait which makes the driver pause for a condition which is checked at a frequency before throwing an exception.

* To verify that the image is downloaded before scroll down, Fluent wait command line is used

Wait<WebDriver> w = **new** FluentWait<WebDriver>(driver).withTimeout(Duration.*ofSeconds*(10))

.pollingEvery(Duration.*ofSeconds*(2)).ignoring(NoSuchElementException.**class**);

* APPLE iPhone 13 ((PRODUCT)RED, 256 GB) is loaded or not while scroll down

Boolean p = (Boolean) ((JavascriptExecutor) driver).executeScript("arguments[0].scrollIntoView();",er);

* Argument[0].scrollIntoView() is used to scroll until the element is present. Command used to find the scroll height

((JavascriptExecutor) driver).executeScript("return document.body.scrollHeight").toString());

* Command used to scroll till last

((JavascriptExecutor) driver).executeScript("window.scrollTo(0, document.body.scrollHeight);");

* Through this , we say scroll reaches last

Assert.*assertSame*(lastHeight, newHeight);

* Last height=Expected scroll height.
* New height=actual scroll height
* Same thing also performed on chrome and Internet Explorer.