PHASE 1: PROJECT

Automating the Amazon application using Selenium Webdriver

Problem Statement:

- 1) Create new Java Project from scratch: Phase1Project
- 2) Add all the selenium Lib
- 3) Add the chrome driver to project
- 4) You need to launch Amazon.in
- 5) Search the product samsung and click on go button
- 6) Find all the product search results and their prices and print on the console
- 7) Go inside the first product by clicking on the link

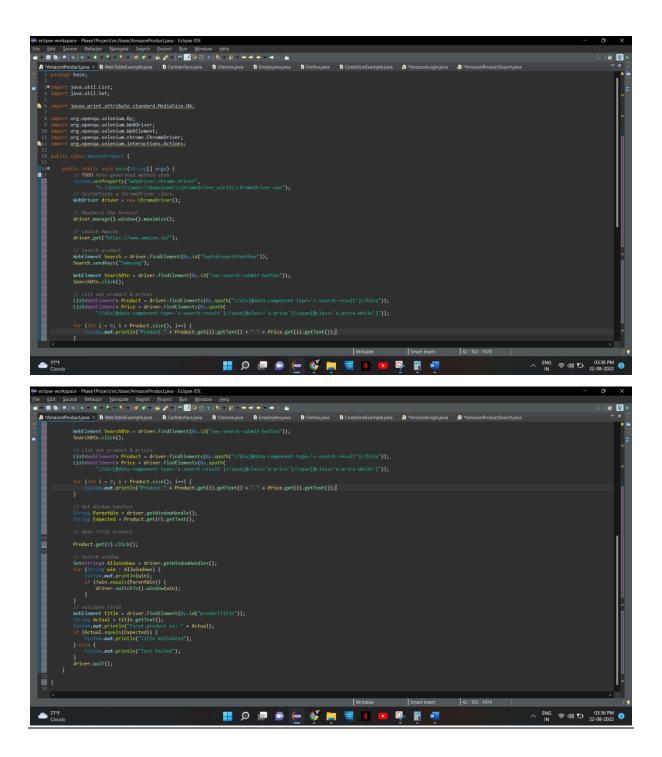
8) You need to validate the name is same on the product description page **Solution: Source code:** package base; import java.util.List; import java.util.Set; import javax.print.attribute.standard.MediaSize.NA; import org.openqa.selenium.By; import org.openqa.selenium.WebDriver; import org.openqa.selenium.WebElement; import org.openqa.selenium.chrome.ChromeDriver; import org.openqa.selenium.interactions.Actions; public class AmazonProduct { public static void main(String[] args) { // TODO Auto-generated method stub System.setProperty("webdriver.chrome.driver",

```
// Instantiate a ChromeDriver class.
               WebDriver driver = new ChromeDriver();
               // Maximize the browser
               driver.manage().window().maximize();
               // Launch Amazon
               driver.get("https://www.amazon.in/");
               // Search product
               WebElement Search = driver.findElement(By.id("twotabsearchtextbox"));
               Search.sendKeys("Samsung");
               WebElement SearchBtn = driver.findElement(By.id("nav-search-submit-button"));
               SearchBtn.click();
               // List out product & prices
               List<WebElement> Product = driver.findElements(By.xpath("//div[@data-
component-type='s-search-result']//h2/a"));
               List<WebElement> Price = driver.findElements(By.xpath(
                               "//div[@data-component-type='s-search-result']//span[@class='a-
price']//span[@class='a-price-whole']"));
               for (int i = 0; i < Product.size(); i++) {
                       System.out.println("Product " + Product.get(i).getText() + " " +
Price.get(i).getText());
               }
               // Get Window handles
               String ParentWin = driver.getWindowHandle();
               String Expected = Product.get(0).getText();
```

"C:\\Users\\imarc\\Downloads\\chromedriver_win32\\chromedriver.exe");

```
// Open first product
       Product.get(0).click();
       // Switch window
       Set<String> Allwindows = driver.getWindowHandles();
       for (String win : Allwindows) {
                System.out.println(win);
                if (!win.equals(ParentWin)) {
                        driver.switchTo().window(win);
                }
        }
       // validate title
       WebElement title = driver.findElement(By.id("productTitle"));
       String Actual = title.getText();
       System.out.println("First product is: " + Actual);
       if (Actual.equals(Expected)) {
                System.out.println("Title Validated");
        } else {
                System.out.println("Test Failed");
        }
       driver.quit();
}
```

}



Output:

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Github Link for Project:

https://github.com/imanovian/Phase1-Project