

Source Code:

Source Code:

```
package Feature;

import java.time.Duration;
import java.util.ArrayList;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;

public class Phase_2Project {
    WebDriver driver;
    @Given("I open the Chrome browser and enter Amazon URL")
    public void i_open_the_chrome_browser_and_enter_amazon_url() throws
    InterruptedException {
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        // Navigate to Amazon Home_page
        driver.get("https://amazon.in/");
        Thread.sleep(5000);
    }

    @When("User navigated to login button")
    public void user_navigated_to_login_button()
    { WebElement signInButton = driver.findElement(By.id("nav-link-
    accountList")); signInButton.click(); }
    @When("Enter valid Username") public void enter_valid_username()
    { WebElement emailInput = driver.findElement(By.id("ap_email"));
    emailInput.sendKeys("Your_Username"); }
    @When("Enter valid Password")
    public void enter_valid_password() {
        WebElement continueButton = driver.findElement(By.id("continue"));
        continueButton.click();
        WebElement passwordInput = driver.findElement(By.id("ap_password"));
        passwordInput.sendKeys("Your_Password"); }
    @When("Clicked on login button")
    public void clicked_on_login_button() throws InterruptedException {
        WebElement signInSubmitButton =
        driver.findElement(By.id("signInSubmit"));
        signInSubmitButton.click();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10)); }

    @Then("Search for a product")
    public void search_for_a_product() {
        WebElement searchBox =
        driver.findElement(By.id("twotabsearchtextbox"));
        searchBox.sendKeys("iPhone 13");
        WebElement searchButton = driver.findElement(By.id("nav-search-
        submit-button"));
        searchButton.click();
    }
}
```

```

@Then("Applied Filters")
public void applied_filters() {
    WebElement filterElement1 =
    driver.findElement(By.xpath("//*[@id=\"p_n_feature_twenty-
    nine_browse-bin/81332994031\"]/span/a/span"));
    filterElement1.click();

    WebElement filterElement2 =
    driver.findElement(By.xpath("//*[@id=\"p_n_feature_nine_browse-
    bin/8561127031\"]/span/a/span"));
    filterElement2.click();
}

@Then("Searched for a specific product")
public void searched_for_a_specific_product() throws
InterruptedException {
    WebElement productElement =
    driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/sp
    an[1]/div[1]/div[2]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/sp
    an"));
    productElement.click();

    Thread.sleep(5000);
}

@Then("Switched the Browser Tab")
public void switched_the_browser_tab() {
    String windowHandle = driver.getWindowHandle();
    ArrayList tabs = new ArrayList(driver.getWindowHandles());
    driver.switchTo().window((String) tabs.get(1));
}

@Then("Close the browser")
public void close_the_browser() {
    driver.close();
}

}

```

Feature File:

Feature: Amazon Web Testing

Background:

Given I open the Chrome browser and enter Amazon URL

Scenario: Login on Amazon With valid Credentials and Check for a product

When User navigated to login button

And Enter valid Username

When Enter valid Password

When Clicked on login button

Then Search for a product

And Applied Filters

And Searched for a specific product

And Switched the Browser Tab

Then Close the browser

Runner File:

```
package Feature;
import org.junit.runner.RunWith;
import io.cucumber.junit.Cucumber;
import io.cucumber.junit.CucumberOptions;
@RunWith(Cucumber.class)
@CucumberOptions(
    features="C:\\Users\\DELL\\Desktop\\Mphasis\\Selenium\\Cucumber_Lesson\\src\\test\\java\\Feature\\login.feature",
    glue = { "Feature" },dryRun = false, plugin = { "pretty",
    "html:target/cucumberreportpass.html" }
)
public class Project {

}
```