**Test case-1 : Register User**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

WebDriver driver = **new** ChromeDriver();

**try** {

driver.get("http://automationexercise.com");

driver.findElement(By.*linkText*("Signup / Login")).click();

driver.findElement(By.*id*("name")).sendKeys("Test User");

driver.findElement(By.*id*("email")).sendKeys("testuser@example.com");

driver.findElement(By.*id*("submit")).click();

driver.findElement(By.*id*("submit")).click();

String accountCreatedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT CREATED!')]")).getText();

System.***out***.println("Account Created Message: " + accountCreatedMessage);

driver.findElement(By.*linkText*("Continue")).click();

driver.findElement(By.*linkText*("Delete Account")).click();

String accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]")).getText();

System.***out***.println("Account Deleted Message: " + accountDeletedMessage);

driver.findElement(By.*linkText*("Continue")).click();

} **finally** {

driver.quit();

}

}

}

**Test case-2: Login User with correct email and password**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

WebDriver driver = **new** ChromeDriver();

**try** {

driver.get("http://automationexercise.com");

String expectedTitle = "Automation Practice Site";

**if** (!driver.getTitle().equals(expectedTitle)) {

System.***out***.println("Home page is not visible successfully.");

**return**;

}

driver.findElement(By.*linkText*("Signup / Login")).click();

WebElement loginHeader = driver.findElement(By.*tagName*("h3"));

**if** (!loginHeader.getText().equals("Login to your account")) {

System.***out***.println("Login header is not visible.");

**return**;

}

driver.findElement(By.*id*("username")).sendKeys("correct@example.com");

driver.findElement(By.*id*("password")).sendKeys("password");

driver.findElement(By.*id*("submit")).click();

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Logged in as')]"));

**if** (!loggedInMessage.isDisplayed()) {

System.***out***.println("Logged in message is not visible.");

**return**;

}

driver.findElement(By.*linkText*("Delete Account")).click();

WebElement accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]"));

**if** (!accountDeletedMessage.isDisplayed()) {

System.***out***.println("Account deletion message is not visible.");

**return**;

}

System.***out***.println("All steps completed successfully.");

} **finally** {

driver.quit();

}

}

}

**Test case-3: Login User with incorrect email and password**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Signup / Login' button

WebElement signupLoginButton = driver.findElement(By.*xpath*("//a[text()='Signup / Login']"));

signupLoginButton.click();

// Verify 'Login to your account' is visible

WebElement loginHeader = driver.findElement(By.*xpath*("//h1[text()='Login to your account']"));

**if**(loginHeader.isDisplayed()) {

System.***out***.println("'Login to your account' page is visible");

} **else** {

System.***out***.println("'Login to your account' page is not visible");

}

// Enter incorrect email address and password

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("incorrect@example.com");

WebElement passwordInput = driver.findElement(By.*id*("password"));

passwordInput.sendKeys("incorrect\_password");

// Click 'login' button

WebElement loginButton = driver.findElement(By.*xpath*("//button[text()='Login']"));

loginButton.click();

// Verify error 'Your email or password is incorrect!' is visible

WebElement errorMessage = driver.findElement(By.*xpath*("//div[@class='alert alert-danger']"));

**if**(errorMessage.getText().equals("Your email or password is incorrect!")) {

System.***out***.println("Error message is visible: Your email or password is incorrect!");

} **else** {

System.***out***.println("Error message is not visible or incorrect");

}

// Close the browser

driver.quit();

}

}

**Test case-4: Logout User**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Signup / Login' button

WebElement signupLoginButton = driver.findElement(By.*xpath*("//a[text()='Signup / Login']"));

signupLoginButton.click();

// Verify 'Login to your account' is visible

WebElement loginHeader = driver.findElement(By.*xpath*("//h1[text()='Login to your account']"));

**if**(loginHeader.isDisplayed()) {

System.***out***.println("'Login to your account' page is visible");

} **else** {

System.***out***.println("'Login to your account' page is not visible");

}

// Enter correct email address and password

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("your\_correct\_email@example.com");

WebElement passwordInput = driver.findElement(By.*id*("password"));

passwordInput.sendKeys("your\_correct\_password");

// Click 'login' button

WebElement loginButton = driver.findElement(By.*xpath*("//button[text()='Login']"));

loginButton.click();

// Verify that 'Logged in as username' is visible

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[@class='alert alert-success']"));

**if**(loggedInMessage.getText().contains("Logged in as")) {

System.***out***.println("Logged in successfully");

} **else** {

System.***out***.println("Login failed or 'Logged in as' message not found");

}

// Click 'Logout' button

WebElement logoutButton = driver.findElement(By.*xpath*("//a[text()='Logout']"));

logoutButton.click();

// Verify that user is navigated to login page

WebElement loginPageHeader = driver.findElement(By.*xpath*("//h1[text()='Login to your account']"));

**if**(loginPageHeader.isDisplayed()) {

System.***out***.println("Logged out successfully, navigated back to login page");

} **else** {

System.***out***.println("Logout failed or not navigated back to login page");

}

// Close the browser

driver.quit();

}

}

**Test case-5: Register user with existing email**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Signup / Login' button

WebElement signupLoginButton = driver.findElement(By.*xpath*("//a[text()='Signup / Login']"));

signupLoginButton.click();

// Verify 'New User Signup!' is visible

WebElement signupHeader = driver.findElement(By.*xpath*("//h1[text()='New User Signup!']"));

**if**(signupHeader.isDisplayed()) {

System.***out***.println("'New User Signup!' page is visible");

} **else** {

System.***out***.println("'New User Signup!' page is not visible");

}

// Enter name

WebElement nameInput = driver.findElement(By.*id*("name"));

nameInput.sendKeys("John Doe");

// Enter already registered email address

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("already\_registered@example.com");

// Click 'Signup' button

WebElement signupButton = driver.findElement(By.*xpath*("//button[text()='Signup']"));

signupButton.click();

// Verify error 'Email Address already exist!' is visible

WebElement errorMessage = driver.findElement(By.*xpath*("//div[@class='alert alert-danger']"));

**if**(errorMessage.getText().equals("Email Address already exist!")) {

System.***out***.println("Error message is visible: Email Address already exist!");

} **else** {

System.***out***.println("Error message is not visible or incorrect");

}

// Close the browser

driver.quit();

}

}

**Test case-6: Contact us Form**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Contact Us' button

WebElement contactUsButton = driver.findElement(By.*xpath*("//a[text()='Contact Us']"));

contactUsButton.click();

// Verify 'GET IN TOUCH' is visible

WebElement getInTouchHeader = driver.findElement(By.*xpath*("//h1[text()='GET IN TOUCH']"));

**if**(getInTouchHeader.isDisplayed()) {

System.***out***.println("'GET IN TOUCH' page is visible");

} **else** {

System.***out***.println("'GET IN TOUCH' page is not visible");

}

// Enter name, email, subject, and message

WebElement nameInput = driver.findElement(By.*id*("name"));

nameInput.sendKeys("John Doe");

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("john.doe@example.com");

WebElement subjectInput = driver.findElement(By.*id*("subject"));

subjectInput.sendKeys("Test Subject");

WebElement messageInput = driver.findElement(By.*id*("message"));

messageInput.sendKeys("This is a test message");

// Upload file

WebElement fileInput = driver.findElement(By.*id*("file"));

fileInput.sendKeys("path\_to\_your\_file");

// Click 'Submit' button

WebElement submitButton = driver.findElement(By.*xpath*("//button[text()='Submit']"));

submitButton.click();

// Handle alert and click OK button

driver.switchTo().alert().accept();

// Verify success message 'Success! Your details have been submitted successfully.' is visible

WebElement successMessage = driver.findElement(By.*xpath*("//div[@class='alert alert-success']"));

**if**(successMessage.getText().equals("Success! Your details have been submitted successfully.")) {

System.***out***.println("Success message is visible");

} **else** {

System.***out***.println("Success message is not visible or incorrect");

}

// Click 'Home' button

WebElement homeButton = driver.findElement(By.*xpath*("//a[text()='Home']"));

homeButton.click();

// Verify that landed to home page successfully

WebElement homePageHeaderAfter = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeaderAfter.isDisplayed()) {

System.***out***.println("Landed to home page successfully");

} **else** {

System.***out***.println("Not landed to home page");

}

// Close the browser

driver.quit();

}

}

**Test case-7: Verify Test Cases Page**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Test Cases' button

WebElement testCasesButton = driver.findElement(By.*xpath*("//a[text()='Test Cases']"));

testCasesButton.click();

// Verify user is navigated to test cases page successfully

WebElement testCasesHeader = driver.findElement(By.*xpath*("//h1[text()='Test Cases']"));

**if**(testCasesHeader.isDisplayed()) {

System.***out***.println("User is navigated to test cases page successfully");

} **else** {

System.***out***.println("Navigation to test cases page failed");

}

// Close the browser

driver.quit();

}

}

**Test case-8: Verify All the Product and Product detail page**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Products' button

WebElement productsButton = driver.findElement(By.*xpath*("//a[text()='Products']"));

productsButton.click();

// Verify user is navigated to ALL PRODUCTS page successfully

WebElement allProductsHeader = driver.findElement(By.*xpath*("//h1[text()='ALL PRODUCTS']"));

**if**(allProductsHeader.isDisplayed()) {

System.***out***.println("User is navigated to ALL PRODUCTS page successfully");

} **else** {

System.***out***.println("Navigation to ALL PRODUCTS page failed");

}

// Verify products list is visible

WebElement productsList = driver.findElement(By.*xpath*("//div[@class='products']"));

**if**(productsList.isDisplayed()) {

System.***out***.println("Products list is visible");

} **else** {

System.***out***.println("Products list is not visible");

}

// Click on 'View Product' of first product

WebElement viewProductButton = driver.findElement(By.*xpath*("//a[@class='btn btn-primary']"));

viewProductButton.click();

// Verify user is landed to product detail page

WebElement productDetailHeader = driver.findElement(By.*xpath*("//h1[contains(text(),'Product Detail')]"));

**if**(productDetailHeader.isDisplayed()) {

System.***out***.println("User is landed to product detail page");

} **else** {

System.***out***.println("Landing to product detail page failed");

}

// Verify product details are visible: name, category, price, availability, condition, brand

WebElement productName = driver.findElement(By.*xpath*("//h2[@class='product-name']"));

WebElement productCategory = driver.findElement(By.*xpath*("//p[contains(text(),'Category')]"));

WebElement productPrice = driver.findElement(By.*xpath*("//p[contains(text(),'Price')]"));

WebElement productAvailability = driver.findElement(By.*xpath*("//p[contains(text(),'Availability')]"));

WebElement productCondition = driver.findElement(By.*xpath*("//p[contains(text(),'Condition')]"));

WebElement productBrand = driver.findElement(By.*xpath*("//p[contains(text(),'Brand')]"));

**if**(productName.isDisplayed() && productCategory.isDisplayed() && productPrice.isDisplayed() &&

productAvailability.isDisplayed() && productCondition.isDisplayed() && productBrand.isDisplayed()) {

System.***out***.println("Product details are visible: name, category, price, availability, condition, brand");

} **else** {

System.***out***.println("Product details are not visible");

}

// Close the browser

driver.quit();

}

}

**Test case-9: Search Product**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** java.util.List;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Click on 'Products' button

WebElement productsButton = driver.findElement(By.*xpath*("//a[text()='Products']"));

productsButton.click();

// Verify user is navigated to ALL PRODUCTS page successfully

WebElement allProductsHeader = driver.findElement(By.*xpath*("//h1[text()='ALL PRODUCTS']"));

**if**(allProductsHeader.isDisplayed()) {

System.***out***.println("User is navigated to ALL PRODUCTS page successfully");

} **else** {

System.***out***.println("Navigation to ALL PRODUCTS page failed");

}

// Enter product name in search input and click search button

String productName = "your\_product\_name";

WebElement searchInput = driver.findElement(By.*id*("search"));

searchInput.sendKeys(productName);

WebElement searchButton = driver.findElement(By.*xpath*("//button[text()='Search']"));

searchButton.click();

// Verify 'SEARCHED PRODUCTS' is visible

WebElement searchedProductsHeader = driver.findElement(By.*xpath*("//h2[text()='SEARCHED PRODUCTS']"));

**if**(searchedProductsHeader.isDisplayed()) {

System.***out***.println("'SEARCHED PRODUCTS' header is visible");

} **else** {

System.***out***.println("'SEARCHED PRODUCTS' header is not visible");

}

// Verify all the products related to search are visible

List<WebElement> productsList = driver.findElements(By.*xpath*("//div[@class='products']//h2"));

**boolean** productsVisible = **false**;

**for**(WebElement product : productsList) {

**if**(product.getText().toLowerCase().contains(productName.toLowerCase())) {

productsVisible = **true**;

} **else** {

productsVisible = **false**;

**break**;

}

}

**if**(productsVisible) {

System.***out***.println("All products related to search are visible");

} **else** {

System.***out***.println("Not all products related to search are visible");

}

// Close the browser

driver.quit();

}

}

**Test case-10: Verify Subscription in home page**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** AutomationExerciseTest {

**public** **static** **void** main(String[] args) {

// Create a new instance of the Chrome driver

WebDriver driver = **new** ChromeDriver();

// Launch browser and navigate to URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

WebElement homePageHeader = driver.findElement(By.*xpath*("//h1[text()='Welcome to Automation Exercise']"));

**if**(homePageHeader.isDisplayed()) {

System.***out***.println("Home page is visible successfully");

} **else** {

System.***out***.println("Home page is not visible");

}

// Scroll down to footer

JavascriptExecutor js = (JavascriptExecutor) driver;

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

// Verify text 'SUBSCRIPTION'

WebElement subscriptionText = driver.findElement(By.*xpath*("//h2[text()='SUBSCRIPTION']"));

**if**(subscriptionText.isDisplayed()) {

System.***out***.println("Text 'SUBSCRIPTION' is visible");

} **else** {

System.***out***.println("Text 'SUBSCRIPTION' is not visible");

}

// Enter email address in input

WebElement emailInput = driver.findElement(By.*xpath*("//input[@placeholder='Your email address']"));

emailInput.sendKeys("test@example.com");

// Click arrow button

WebElement arrowButton = driver.findElement(By.*xpath*("//button[@type='submit']"));

arrowButton.click();

// Verify success message 'You have been successfully subscribed!' is visible

WebElement successMessage = driver.findElement(By.*xpath*("//div[@class='alert alert-success']"));

**if**(successMessage.getText().equals("You have been successfully subscribed!")) {

System.***out***.println("Success message 'You have been successfully subscribed!' is visible");

} **else** {

System.***out***.println("Success message is not visible or incorrect");

}

// Close the browser

driver.quit();

}

}

**Test case-11: Verify subscription in cart page**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

}

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*linkText*("Cart"));

cartButton.click();

// Scroll down to footer

WebElement footer = driver.findElement(By.*tagName*("footer"));

((org.openqa.selenium.JavascriptExecutor) driver).executeScript("arguments[0].scrollIntoView(true);", footer);

// Verify text 'SUBSCRIPTION' in footer

String expectedText = "SUBSCRIPTION";

String footerText = footer.getText();

**if** (footerText.contains(expectedText)) {

System.***out***.println("Text 'SUBSCRIPTION' is present in the footer.");

} **else** {

System.***out***.println("Text 'SUBSCRIPTION' is not present in the footer.");

}

// Enter email address and click arrow button

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("example@example.com");

WebElement arrowButton = driver.findElement(By.*id*("arrow"));

arrowButton.click();

// Verify success message

WebElement successMessage = driver.findElement(By.*className*("message"));

String expectedMessage = "You have been successfully subscribed!";

String actualMessage = successMessage.getText();

**if** (actualMessage.equals(expectedMessage)) {

System.***out***.println("Success message 'You have been successfully subscribed!' is visible.");

} **else** {

System.***out***.println("Success message 'You have been successfully subscribed!' is not visible.");

}

// Close the browser

driver.quit();

}

}

**Test case-12: Add Products in cart**

**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** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Click 'Products' button

WebElement productsButton = driver.findElement(By.*linkText*("Products"));

productsButton.click();

// Hover over first product and click 'Add to cart'

WebElement firstProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][1]"));

Actions actions = **new** Actions(driver);

actions.moveToElement(firstProduct).perform();

WebElement addToCartButton1 = firstProduct.findElement(By.*className*("button"));

addToCartButton1.click();

// Click 'Continue Shopping' button

WebElement continueShoppingButton = driver.findElement(By.*linkText*("Continue Shopping"));

continueShoppingButton.click();

// Hover over second product and click 'Add to cart'

WebElement secondProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][2]"));

actions.moveToElement(secondProduct).perform();

WebElement addToCartButton2 = secondProduct.findElement(By.*className*("button"));

addToCartButton2.click();

// Click 'View Cart' button

WebElement viewCartButton = driver.findElement(By.*linkText*("View Cart"));

viewCartButton.click();

// Verify both products are added to Cart

WebElement cartTable = driver.findElement(By.*id*("cart"));

WebElement cartRows = cartTable.findElement(By.*tagName*("tbody"));

**int** rowCount = cartRows.findElements(By.*tagName*("tr")).size();

**if** (rowCount == 2) {

System.***out***.println("Both products are added to Cart.");

} **else** {

System.***out***.println("Not all products are added to Cart.");

}

// Verify their prices, quantity and total price

WebElement firstProductPrice = driver.findElement(By.*xpath*("//td[contains(text(), 'First Product')]/following-sibling::td[2]"));

WebElement secondProductPrice = driver.findElement(By.*xpath*("//td[contains(text(), 'Second Product')]/following-sibling::td[2]"));

WebElement firstProductQuantity = driver.findElement(By.*xpath*("//td[contains(text(), 'First Product')]/following-sibling::td[3]"));

WebElement secondProductQuantity = driver.findElement(By.*xpath*("//td[contains(text(), 'Second Product')]/following-sibling::td[3]"));

WebElement totalPrice = driver.findElement(By.*xpath*("//td[contains(text(), 'Total Price')]/following-sibling::td"));

System.***out***.println("First Product Price: " + firstProductPrice.getText());

System.***out***.println("Second Product Price: " + secondProductPrice.getText());

System.***out***.println("First Product Quantity: " + firstProductQuantity.getText());

System.***out***.println("Second Product Quantity: " + secondProductQuantity.getText());

System.***out***.println("Total Price: " + totalPrice.getText());

// Close the browser

driver.quit();

}

}

**Test case-13: Verify Product quantity in cart**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Click 'View Product' for any product on home page

WebElement viewProductButton = driver.findElement(By.*xpath*("//div[@class='product-column'][1]//a[text()='View Product']"));

viewProductButton.click();

// Verify product detail is opened

WebElement productDetailTitle = driver.findElement(By.*tagName*("h1"));

String productName = productDetailTitle.getText();

**if** (!productName.isEmpty()) {

System.***out***.println("Product detail is opened successfully.");

} **else** {

System.***out***.println("Product detail is not opened.");

driver.quit();

**return**;

}

// Increase quantity to 4

WebElement quantityInput = driver.findElement(By.*id*("quantity"));

quantityInput.clear();

quantityInput.sendKeys("4");

// Click 'Add to cart' button

WebElement addToCartButton = driver.findElement(By.*xpath*("//button[text()='Add to cart']"));

addToCartButton.click();

// Click 'View Cart' button

WebElement viewCartButton = driver.findElement(By.*linkText*("View Cart"));

viewCartButton.click();

// Verify that product is displayed in cart page with exact quantity

WebElement cartProductRow = driver.findElement(By.*xpath*("//td[contains(text(), '" + productName + "')]/../td[3]"));

String quantityInCart = cartProductRow.getText();

**if** (quantityInCart.equals("4")) {

System.***out***.println("Product is displayed in cart page with exact quantity.");

} **else** {

System.***out***.println("Product is not displayed in cart page with exact quantity.");

}

// Close the browser

driver.quit();

}

}

**Test case-14: Place order: Register while checkout**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Add products to cart

WebElement firstProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][1]//button[text()='Add to cart']"));

firstProduct.click();

WebElement secondProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][2]//button[text()='Add to cart']"));

secondProduct.click();

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*linkText*("Cart"));

cartButton.click();

// Verify that cart page is displayed

String expectedCartTitle = "Cart";

String actualCartTitle = driver.getTitle();

**if** (actualCartTitle.contains(expectedCartTitle)) {

System.***out***.println("Cart page is displayed successfully.");

} **else** {

System.***out***.println("Cart page is not displayed.");

driver.quit();

**return**;

}

// Click Proceed To Checkout

WebElement proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Click 'Register / Login' button

WebElement registerLoginButton = driver.findElement(By.*xpath*("//button[text()='Register / Login']"));

registerLoginButton.click();

// Fill all details in Signup and create account

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("test@example.com");

WebElement passwordInput = driver.findElement(By.*id*("password"));

passwordInput.sendKeys("password123");

// Fill other required fields accordingly

// Click 'Create Account' button

WebElement createAccountButton = driver.findElement(By.*xpath*("//button[text()='Create Account']"));

createAccountButton.click();

// Verify 'ACCOUNT CREATED!' and click 'Continue' button

WebElement accountCreatedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT CREATED!')]"));

**if** (accountCreatedMessage.isDisplayed()) {

System.***out***.println("Account created successfully.");

} **else** {

System.***out***.println("Account creation failed.");

driver.quit();

**return**;

}

WebElement continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Verify ' Logged in as username' at top

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Logged in as ')]"));

**if** (loggedInMessage.isDisplayed()) {

System.***out***.println("Logged in successfully.");

} **else** {

System.***out***.println("Login failed.");

driver.quit();

**return**;

}

// Click 'Cart' button

cartButton = driver.findElement(By.*linkText*("Cart"));

cartButton.click();

// Click 'Proceed To Checkout' button

proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Verify Address Details and Review Your Order

WebElement addressDetails = driver.findElement(By.*xpath*("//div[contains(text(), 'Address Details')]"));

WebElement reviewOrder = driver.findElement(By.*xpath*("//div[contains(text(), 'Review Your Order')]"));

**if** (addressDetails.isDisplayed() && reviewOrder.isDisplayed()) {

System.***out***.println("Address details and Review order sections are displayed.");

} **else** {

System.***out***.println("Address details or Review order sections are not displayed.");

driver.quit();

**return**;

}

// Enter description in comment text area

WebElement commentTextArea = driver.findElement(By.*id*("comment"));

commentTextArea.sendKeys("This is a test comment.");

// Click 'Place Order' button

WebElement placeOrderButton = driver.findElement(By.*xpath*("//button[text()='Place Order']"));

placeOrderButton.click();

// Enter payment details: Name on Card, Card Number, CVC, Expiration date

WebElement nameOnCard = driver.findElement(By.*id*("cardname"));

nameOnCard.sendKeys("John Doe");

WebElement cardNumber = driver.findElement(By.*id*("cardnumber"));

cardNumber.sendKeys("1234567890123456");

WebElement cvc = driver.findElement(By.*id*("cvc"));

cvc.sendKeys("123");

WebElement expirationDate = driver.findElement(By.*id*("expdate"));

expirationDate.sendKeys("12/24");

// Click 'Pay and Confirm Order' button

WebElement payAndConfirmButton = driver.findElement(By.*xpath*("//button[text()='Pay and Confirm Order']"));

payAndConfirmButton.click();

// Verify success message 'Your order has been placed successfully!'

WebElement successMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Your order has been placed successfully!')]"));

**if** (successMessage.isDisplayed()) {

System.***out***.println("Your order has been placed successfully!");

} **else** {

System.***out***.println("Failed to place the order.");

driver.quit();

**return**;

}

// Click 'Delete Account' button

WebElement deleteAccountButton = driver.findElement(By.*xpath*("//button[text()='Delete Account']"));

deleteAccountButton.click();

// Verify 'ACCOUNT DELETED!' and click 'Continue' button

WebElement accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]"));

**if** (accountDeletedMessage.isDisplayed()) {

System.***out***.println("Account deleted successfully!");

} **else** {

System.***out***.println("Failed to delete the account.");

driver.quit();

**return**;

}

continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Close the browser

driver.quit();

}

}

**Test case-15: Place order: Register before checkout**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Click 'Signup / Login' button

WebElement signupLoginButton = driver.findElement(By.*xpath*("//button[text()='Signup / Login']"));

signupLoginButton.click();

// Fill all details in Signup and create account

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("test@example.com");

WebElement passwordInput = driver.findElement(By.*id*("password"));

passwordInput.sendKeys("password123");

// Fill other required fields accordingly

// Click 'Create Account' button

WebElement createAccountButton = driver.findElement(By.*xpath*("//button[text()='Create Account']"));

createAccountButton.click();

// Verify 'ACCOUNT CREATED!' and click 'Continue' button

WebElement accountCreatedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT CREATED!')]"));

**if** (accountCreatedMessage.isDisplayed()) {

System.***out***.println("Account created successfully.");

} **else** {

System.***out***.println("Account creation failed.");

driver.quit();

**return**;

}

WebElement continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Verify ' Logged in as username' at top

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Logged in as ')]"));

**if** (loggedInMessage.isDisplayed()) {

System.***out***.println("Logged in successfully.");

} **else** {

System.***out***.println("Login failed.");

driver.quit();

**return**;

}

// Add products to cart

WebElement firstProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][1]//button[text()='Add to cart']"));

firstProduct.click();

WebElement secondProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][2]//button[text()='Add to cart']"));

secondProduct.click();

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*linkText*("Cart"));

cartButton.click();

// Verify that cart page is displayed

String expectedCartTitle = "Cart";

String actualCartTitle = driver.getTitle();

**if** (actualCartTitle.contains(expectedCartTitle)) {

System.***out***.println("Cart page is displayed successfully.");

} **else** {

System.***out***.println("Cart page is not displayed.");

driver.quit();

**return**;

}

// Click Proceed To Checkout

WebElement proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Verify Address Details and Review Your Order

WebElement addressDetails = driver.findElement(By.*xpath*("//div[contains(text(), 'Address Details')]"));

WebElement reviewOrder = driver.findElement(By.*xpath*("//div[contains(text(), 'Review Your Order')]"));

**if** (addressDetails.isDisplayed() && reviewOrder.isDisplayed()) {

System.***out***.println("Address details and Review order sections are displayed.");

} **else** {

System.***out***.println("Address details or Review order sections are not displayed.");

driver.quit();

**return**;

}

// Enter description in comment text area

WebElement commentTextArea = driver.findElement(By.*id*("comment"));

commentTextArea.sendKeys("This is a test comment.");

// Click 'Place Order' button

WebElement placeOrderButton = driver.findElement(By.*xpath*("//button[text()='Place Order']"));

placeOrderButton.click();

// Enter payment details: Name on Card, Card Number, CVC, Expiration date

WebElement nameOnCard = driver.findElement(By.*id*("cardname"));

nameOnCard.sendKeys("John Doe");

WebElement cardNumber = driver.findElement(By.*id*("cardnumber"));

cardNumber.sendKeys("1234567890123456");

WebElement cvc = driver.findElement(By.*id*("cvc"));

cvc.sendKeys("123");

WebElement expirationDate = driver.findElement(By.*id*("expdate"));

expirationDate.sendKeys("12/24");

// Click 'Pay and Confirm Order' button

WebElement payAndConfirmButton = driver.findElement(By.*xpath*("//button[text()='Pay and Confirm Order']"));

payAndConfirmButton.click();

// Verify success message 'Your order has been placed successfully!'

WebElement successMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Your order has been placed successfully!')]"));

**if** (successMessage.isDisplayed()) {

System.***out***.println("Your order has been placed successfully!");

} **else** {

System.***out***.println("Failed to place the order.");

driver.quit();

**return**;

}

// Click 'Delete Account' button

WebElement deleteAccountButton = driver.findElement(By.*xpath*("//button[text()='Delete Account']"));

deleteAccountButton.click();

// Verify 'ACCOUNT DELETED!' and click 'Continue' button

WebElement accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]"));

**if** (accountDeletedMessage.isDisplayed()) {

System.***out***.println("Account deleted successfully!");

} **else** {

System.***out***.println("Failed to delete the account.");

driver.quit();

**return**;

}

continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Close the browser

driver.quit();

}

}

**Test case-16: Place order: Login before checkout**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Click 'Signup / Login' button

WebElement signupLoginButton = driver.findElement(By.*xpath*("//button[text()='Signup / Login']"));

signupLoginButton.click();

// Fill email, password and click 'Login' button

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("test@example.com");

WebElement passwordInput = driver.findElement(By.*id*("password"));

passwordInput.sendKeys("password123");

WebElement loginButton = driver.findElement(By.*xpath*("//button[text()='Login']"));

loginButton.click();

// Verify 'Logged in as username' at top

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Logged in as ')]"));

**if** (loggedInMessage.isDisplayed()) {

System.***out***.println("Logged in successfully.");

} **else** {

System.***out***.println("Login failed.");

driver.quit();

**return**;

}

// Add products to cart

WebElement firstProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][1]//button[text()='Add to cart']"));

firstProduct.click();

WebElement secondProduct = driver.findElement(By.*xpath*("//div[@class='product-column'][2]//button[text()='Add to cart']"));

secondProduct.click();

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*linkText*("Cart"));

cartButton.click();

// Verify that cart page is displayed

String expectedCartTitle = "Cart";

String actualCartTitle = driver.getTitle();

**if** (actualCartTitle.contains(expectedCartTitle)) {

System.***out***.println("Cart page is displayed successfully.");

} **else** {

System.***out***.println("Cart page is not displayed.");

driver.quit();

**return**;

}

// Click Proceed To Checkout

WebElement proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Verify Address Details and Review Your Order

WebElement addressDetails = driver.findElement(By.*xpath*("//div[contains(text(), 'Address Details')]"));

WebElement reviewOrder = driver.findElement(By.*xpath*("//div[contains(text(), 'Review Your Order')]"));

**if** (addressDetails.isDisplayed() && reviewOrder.isDisplayed()) {

System.***out***.println("Address details and Review order sections are displayed.");

} **else** {

System.***out***.println("Address details or Review order sections are not displayed.");

driver.quit();

**return**;

}

// Enter description in comment text area

WebElement commentTextArea = driver.findElement(By.*id*("comment"));

commentTextArea.sendKeys("This is a test comment.");

// Click 'Place Order' button

WebElement placeOrderButton = driver.findElement(By.*xpath*("//button[text()='Place Order']"));

placeOrderButton.click();

// Enter payment details: Name on Card, Card Number, CVC, Expiration date

WebElement nameOnCard = driver.findElement(By.*id*("cardname"));

nameOnCard.sendKeys("John Doe");

WebElement cardNumber = driver.findElement(By.*id*("cardnumber"));

cardNumber.sendKeys("1234567890123456");

WebElement cvc = driver.findElement(By.*id*("cvc"));

cvc.sendKeys("123");

WebElement expirationDate = driver.findElement(By.*id*("expdate"));

expirationDate.sendKeys("12/24");

// Click 'Pay and Confirm Order' button

WebElement payAndConfirmButton = driver.findElement(By.*xpath*("//button[text()='Pay and Confirm Order']"));

payAndConfirmButton.click();

// Verify success message 'Your order has been placed successfully!'

WebElement successMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Your order has been placed successfully!')]"));

**if** (successMessage.isDisplayed()) {

System.***out***.println("Your order has been placed successfully!");

} **else** {

System.***out***.println("Failed to place the order.");

driver.quit();

**return**;

}

// Click 'Delete Account' button

WebElement deleteAccountButton = driver.findElement(By.*xpath*("//button[text()='Delete Account']"));

deleteAccountButton.click();

// Verify 'ACCOUNT DELETED!' and click 'Continue' button

WebElement accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]"));

**if** (accountDeletedMessage.isDisplayed()) {

System.***out***.println("Account deleted successfully!");

} **else** {

System.***out***.println("Failed to delete the account.");

driver.quit();

**return**;

}

WebElement continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Close the browser

driver.quit();

}

}

**Test case-17: Remove Products from cart**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Add products to cart

WebElement firstProductAddToCartButton = driver.findElement(By.*xpath*("//div[@class='product-column'][1]//button[text()='Add to cart']"));

firstProductAddToCartButton.click();

WebElement secondProductAddToCartButton = driver.findElement(By.*xpath*("//div[@class='product-column'][2]//button[text()='Add to cart']"));

secondProductAddToCartButton.click();

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*linkText*("Cart"));

cartButton.click();

// Verify that cart page is displayed

String expectedCartTitle = "Cart";

String actualCartTitle = driver.getTitle();

**if** (actualCartTitle.contains(expectedCartTitle)) {

System.***out***.println("Cart page is displayed successfully.");

} **else** {

System.***out***.println("Cart page is not displayed.");

driver.quit();

**return**;

}

// Click 'X' button corresponding to particular product

WebElement removeFirstProductButton = driver.findElement(By.*xpath*("//td[contains(text(), 'First Product')]/following-sibling::td[3]//button[text()='X']"));

removeFirstProductButton.click();

// Verify that product is removed from the cart

WebElement firstProductRow = driver.findElement(By.*xpath*("//td[contains(text(), 'First Product')]"));

**if** (!firstProductRow.isDisplayed()) {

System.***out***.println("First product is removed from the cart.");

} **else** {

System.***out***.println("Failed to remove the first product from the cart.");

driver.quit();

**return**;

}

// Close the browser

driver.quit();

}

}

**Test case-18: View category Products**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that categories are visible on the left sidebar

WebElement categoriesSidebar = driver.findElement(By.*id*("leftsidebar"));

**if** (categoriesSidebar.isDisplayed()) {

System.***out***.println("Categories are visible on the left sidebar.");

} **else** {

System.***out***.println("Categories are not visible on the left sidebar.");

driver.quit();

**return**;

}

// Click on 'Women' category

WebElement womenCategory = driver.findElement(By.*xpath*("//a[text()='WOMEN']"));

womenCategory.click();

// Click on any category link under 'Women' category

WebElement dressCategory = driver.findElement(By.*xpath*("//a[text()='Dresses']"));

dressCategory.click();

// Verify that category page is displayed and confirm text 'WOMEN - TOPS PRODUCTS'

WebElement categoryTitle = driver.findElement(By.*xpath*("//h1[@class='productCategoryTitle']"));

String expectedTitle = "WOMEN - TOPS PRODUCTS";

String actualTitle = categoryTitle.getText();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Category page is displayed successfully.");

} **else** {

System.***out***.println("Category page is not displayed.");

driver.quit();

**return**;

}

// On the left sidebar, click on any sub-category link of 'Men' category

WebElement menCategory = driver.findElement(By.*xpath*("//a[text()='MEN']"));

menCategory.click();

WebElement subCategoryLink = driver.findElement(By.*xpath*("//a[text()='T-shirts']")); // Replace 'T-shirts' with the desired sub-category

subCategoryLink.click();

// Verify that the user is navigated to that category page

WebElement subCategoryTitle = driver.findElement(By.*xpath*("//h1[@class='productCategoryTitle']"));

String expectedSubCategoryTitle = "T-SHIRTS";

String actualSubCategoryTitle = subCategoryTitle.getText();

**if** (actualSubCategoryTitle.equals(expectedSubCategoryTitle)) {

System.***out***.println("User is navigated to the sub-category page successfully.");

} **else** {

System.***out***.println("User is not navigated to the sub-category page.");

}

// Close the browser

driver.quit();

}

}

**Test case-19: View and cart brand Products**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that categories are visible on the left sidebar

WebElement categoriesSidebar = driver.findElement(By.*id*("leftsidebar"));

**if** (categoriesSidebar.isDisplayed()) {

System.***out***.println("Categories are visible on the left sidebar.");

} **else** {

System.***out***.println("Categories are not visible on the left sidebar.");

driver.quit();

**return**;

}

// Click on 'Women' category

WebElement womenCategory = driver.findElement(By.*xpath*("//a[text()='WOMEN']"));

womenCategory.click();

// Click on any category link under 'Women' category

WebElement dressCategory = driver.findElement(By.*xpath*("//a[text()='Dresses']"));

dressCategory.click();

// Verify that category page is displayed and confirm text 'WOMEN - TOPS PRODUCTS'

WebElement categoryTitle = driver.findElement(By.*xpath*("//h1[@class='productCategoryTitle']"));

String expectedTitle = "WOMEN - TOPS PRODUCTS";

String actualTitle = categoryTitle.getText();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Category page is displayed successfully.");

} **else** {

System.***out***.println("Category page is not displayed.");

driver.quit();

**return**;

}

// On the left sidebar, click on any sub-category link of 'Men' category

WebElement menCategory = driver.findElement(By.*xpath*("//a[text()='MEN']"));

menCategory.click();

WebElement subCategoryLink = driver.findElement(By.*xpath*("//a[text()='T-shirts']")); // Replace 'T-shirts' with the desired sub-category

subCategoryLink.click();

// Verify that the user is navigated to that category page

WebElement subCategoryTitle = driver.findElement(By.*xpath*("//h1[@class='productCategoryTitle']"));

String expectedSubCategoryTitle = "T-SHIRTS";

String actualSubCategoryTitle = subCategoryTitle.getText();

**if** (actualSubCategoryTitle.equals(expectedSubCategoryTitle)) {

System.***out***.println("User is navigated to the sub-category page successfully.");

} **else** {

System.***out***.println("User is not navigated to the sub-category page.");

}

// Close the browser

driver.quit();

}

}

**Test case-20: Search Products and Verify after login**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** java.util.List;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Click on 'Products' button

WebElement productsButton = driver.findElement(By.*xpath*("//a[text()='PRODUCTS']"));

productsButton.click();

// Verify user is navigated to ALL PRODUCTS page successfully

String expectedTitle = "ALL PRODUCTS";

String actualTitle = driver.findElement(By.*xpath*("//h1")).getText();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("User is navigated to ALL PRODUCTS page successfully.");

} **else** {

System.***out***.println("Failed to navigate to ALL PRODUCTS page.");

driver.quit();

**return**;

}

// Enter product name in search input and click search button

String productName = "dress"; // Replace with the desired product name

WebElement searchInput = driver.findElement(By.*id*("search"));

searchInput.sendKeys(productName);

WebElement searchButton = driver.findElement(By.*xpath*("//button[text()='Search']"));

searchButton.click();

// Verify 'SEARCHED PRODUCTS' is visible

String expectedSearchHeader = "SEARCHED PRODUCTS";

String actualSearchHeader = driver.findElement(By.*xpath*("//h1")).getText();

**if** (actualSearchHeader.equals(expectedSearchHeader)) {

System.***out***.println("'SEARCHED PRODUCTS' header is visible.");

} **else** {

System.***out***.println("Failed to find 'SEARCHED PRODUCTS' header.");

driver.quit();

**return**;

}

// Verify all the products related to search are visible

List<WebElement> searchResults = driver.findElements(By.*xpath*("//div[@class='product-column']"));

**if** (!searchResults.isEmpty()) {

System.***out***.println("All products related to search are visible.");

} **else** {

System.***out***.println("No products found related to search.");

driver.quit();

**return**;

}

// Add those products to cart

**for** (WebElement product : searchResults) {

WebElement addToCartButton = product.findElement(By.*xpath*(".//button[text()='Add to cart']"));

addToCartButton.click();

}

// Click 'Cart' button and verify that products are visible in cart

WebElement cartButton = driver.findElement(By.*xpath*("//a[text()='Cart']"));

cartButton.click();

List<WebElement> cartItems = driver.findElements(By.*xpath*("//tr[@class='productRow']"));

**if** (cartItems.size() == searchResults.size()) {

System.***out***.println("Products are visible in cart.");

} **else** {

System.***out***.println("Some products are missing from the cart.");

driver.quit();

**return**;

}

// Click 'Signup / Login' button and submit login details

WebElement signupLoginButton = driver.findElement(By.*xpath*("//button[text()='Signup / Login']"));

signupLoginButton.click();

// Enter login details and submit

// Again, go to Cart page

driver.get("http://automationexercise.com/cart");

// Verify that those products are visible in cart after login as well

List<WebElement> updatedCartItems = driver.findElements(By.*xpath*("//tr[@class='productRow']"));

**if** (updatedCartItems.size() == searchResults.size()) {

System.***out***.println("Products are still visible in cart after login.");

} **else** {

System.***out***.println("Some products are missing from the cart after login.");

}

// Close the browser

driver.quit();

}

}

**Test case-21: Add review on Products**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Click on 'Products' button

WebElement productsButton = driver.findElement(By.*xpath*("//a[text()='PRODUCTS']"));

productsButton.click();

// Verify user is navigated to ALL PRODUCTS page successfully

String expectedTitle = "ALL PRODUCTS";

String actualTitle = driver.findElement(By.*xpath*("//h1")).getText();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("User is navigated to ALL PRODUCTS page successfully.");

} **else** {

System.***out***.println("Failed to navigate to ALL PRODUCTS page.");

driver.quit();

**return**;

}

// Click on 'View Product' button

WebElement viewProductButton = driver.findElement(By.*xpath*("//button[text()='View Product']"));

viewProductButton.click();

// Verify 'Write Your Review' is visible

WebElement writeYourReviewText = driver.findElement(By.*xpath*("//h3[text()='Write Your Review']"));

**if** (writeYourReviewText.isDisplayed()) {

System.***out***.println("'Write Your Review' section is visible.");

} **else** {

System.***out***.println("'Write Your Review' section is not visible.");

driver.quit();

**return**;

}

// Enter name, email, and review

WebElement nameInput = driver.findElement(By.*id*("name"));

nameInput.sendKeys("John Doe");

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("john.doe@example.com");

WebElement reviewInput = driver.findElement(By.*id*("review"));

reviewInput.sendKeys("This is a test review.");

// Click 'Submit' button

WebElement submitButton = driver.findElement(By.*xpath*("//button[text()='Submit']"));

submitButton.click();

// Verify success message 'Thank you for your review.'

WebElement successMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Thank you for your review.')]"));

**if** (successMessage.isDisplayed()) {

System.***out***.println("Success message 'Thank you for your review.' is displayed.");

} **else** {

System.***out***.println("Failed to display the success message.");

}

// Close the browser

driver.quit();

}

}

**Test case-22: Add to cart from Recommended items**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Click on 'Products' button

WebElement productsButton = driver.findElement(By.*xpath*("//a[text()='PRODUCTS']"));

productsButton.click();

// Verify user is navigated to ALL PRODUCTS page successfully

String expectedTitle = "ALL PRODUCTS";

String actualTitle = driver.findElement(By.*xpath*("//h1")).getText();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("User is navigated to ALL PRODUCTS page successfully.");

} **else** {

System.***out***.println("Failed to navigate to ALL PRODUCTS page.");

driver.quit();

**return**;

}

// Click on 'View Product' button

WebElement viewProductButton = driver.findElement(By.*xpath*("//button[text()='View Product']"));

viewProductButton.click();

// Verify 'Write Your Review' is visible

WebElement writeYourReviewText = driver.findElement(By.*xpath*("//h3[text()='Write Your Review']"));

**if** (writeYourReviewText.isDisplayed()) {

System.***out***.println("'Write Your Review' section is visible.");

} **else** {

System.***out***.println("'Write Your Review' section is not visible.");

driver.quit();

**return**;

}

// Enter name, email, and review

WebElement nameInput = driver.findElement(By.*id*("name"));

nameInput.sendKeys("John Doe");

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("john.doe@example.com");

WebElement reviewInput = driver.findElement(By.*id*("review"));

reviewInput.sendKeys("This is a test review.");

// Click 'Submit' button

WebElement submitButton = driver.findElement(By.*xpath*("//button[text()='Submit']"));

submitButton.click();

// Verify success message 'Thank you for your review.'

WebElement successMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Thank you for your review.')]"));

**if** (successMessage.isDisplayed()) {

System.***out***.println("Success message 'Thank you for your review.' is displayed.");

} **else** {

System.***out***.println("Failed to display the success message.");

}

// Close the browser

driver.quit();

}

}

**Test case-23: Verify Address details in the checkout page**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Click 'Signup / Login' button

WebElement signupLoginButton = driver.findElement(By.*xpath*("//button[text()='Signup / Login']"));

signupLoginButton.click();

// Fill all details in Signup and create account

WebElement emailInput = driver.findElement(By.*id*("email"));

emailInput.sendKeys("test@example.com");

WebElement passwordInput = driver.findElement(By.*id*("password"));

passwordInput.sendKeys("password123");

WebElement confirmPasswordInput = driver.findElement(By.*id*("confirmPassword"));

confirmPasswordInput.sendKeys("password123");

WebElement signUpButton = driver.findElement(By.*xpath*("//button[text()='Sign Up']"));

signUpButton.click();

// Verify 'ACCOUNT CREATED!' and click 'Continue' button

WebElement accountCreatedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT CREATED!')]"));

**if** (accountCreatedMessage.isDisplayed()) {

System.***out***.println("Account created successfully.");

} **else** {

System.***out***.println("Failed to create account.");

driver.quit();

**return**;

}

WebElement continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Verify ' Logged in as username' at top

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Logged in as ')]"));

**if** (loggedInMessage.isDisplayed()) {

System.***out***.println("Logged in successfully.");

} **else** {

System.***out***.println("Login failed.");

driver.quit();

**return**;

}

// Add products to cart

// Code for adding products to cart goes here

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*xpath*("//a[text()='Cart']"));

cartButton.click();

// Verify that cart page is displayed

String expectedCartTitle = "Cart";

String actualCartTitle = driver.getTitle();

**if** (actualCartTitle.contains(expectedCartTitle)) {

System.***out***.println("Cart page is displayed successfully.");

} **else** {

System.***out***.println("Cart page is not displayed.");

driver.quit();

**return**;

}

// Click Proceed To Checkout

WebElement proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Verify that the delivery address is the same as the address filled at the time of registration

// Code for verifying delivery address goes here

// Verify that the billing address is the same as the address filled at the time of registration

// Code for verifying billing address goes here

// Click 'Delete Account' button

WebElement deleteAccountButton = driver.findElement(By.*xpath*("//button[text()='Delete Account']"));

deleteAccountButton.click();

// Verify 'ACCOUNT DELETED!' and click 'Continue' button

WebElement accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]"));

**if** (accountDeletedMessage.isDisplayed()) {

System.***out***.println("Account deleted successfully!");

} **else** {

System.***out***.println("Failed to delete the account.");

driver.quit();

**return**;

}

WebElement continueButtonAfterDelete = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButtonAfterDelete.click();

// Close the browser

driver.quit();

}

}

**Test case-24: Download invoice after purchase order**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Add products to cart

// Code for adding products to cart goes here

// Click 'Cart' button

WebElement cartButton = driver.findElement(By.*xpath*("//a[text()='Cart']"));

cartButton.click();

// Verify that cart page is displayed

String expectedCartTitle = "Cart";

String actualCartTitle = driver.getTitle();

**if** (actualCartTitle.contains(expectedCartTitle)) {

System.***out***.println("Cart page is displayed successfully.");

} **else** {

System.***out***.println("Cart page is not displayed.");

driver.quit();

**return**;

}

// Click Proceed To Checkout

WebElement proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Click 'Register / Login' button

WebElement registerLoginButton = driver.findElement(By.*xpath*("//button[text()='Register / Login']"));

registerLoginButton.click();

// Fill all details in Signup and create account

// Code for filling signup details goes here

// Verify 'ACCOUNT CREATED!' and click 'Continue' button

WebElement accountCreatedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT CREATED!')]"));

**if** (accountCreatedMessage.isDisplayed()) {

System.***out***.println("Account created successfully.");

} **else** {

System.***out***.println("Failed to create account.");

driver.quit();

**return**;

}

WebElement continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Verify ' Logged in as username' at top

WebElement loggedInMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Logged in as ')]"));

**if** (loggedInMessage.isDisplayed()) {

System.***out***.println("Logged in successfully.");

} **else** {

System.***out***.println("Login failed.");

driver.quit();

**return**;

}

// Click 'Cart' button

cartButton = driver.findElement(By.*xpath*("//a[text()='Cart']"));

cartButton.click();

// Click 'Proceed To Checkout' button

proceedToCheckoutButton = driver.findElement(By.*xpath*("//button[text()='Proceed To Checkout']"));

proceedToCheckoutButton.click();

// Verify Address Details and Review Your Order

// Code for verifying address details and review goes here

// Enter description in comment text area and click 'Place Order'

// Code for entering description and placing order goes here

// Enter payment details: Name on Card, Card Number, CVC, Expiration date

// Code for entering payment details goes here

// Click 'Pay and Confirm Order' button

WebElement payAndConfirmOrderButton = driver.findElement(By.*xpath*("//button[text()='Pay and Confirm Order']"));

payAndConfirmOrderButton.click();

// Verify success message 'Your order has been placed successfully!'

WebElement successMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'Your order has been placed successfully!')]"));

**if** (successMessage.isDisplayed()) {

System.***out***.println("Order placed successfully.");

} **else** {

System.***out***.println("Failed to place order.");

driver.quit();

**return**;

}

// Click 'Download Invoice' button and verify invoice is downloaded successfully.

WebElement downloadInvoiceButton = driver.findElement(By.*xpath*("//button[text()='Download Invoice']"));

downloadInvoiceButton.click();

// Code for verifying invoice download goes here

// Click 'Continue' button

continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Click 'Delete Account' button

WebElement deleteAccountButton = driver.findElement(By.*xpath*("//button[text()='Delete Account']"));

deleteAccountButton.click();

// Verify 'ACCOUNT DELETED!' and click 'Continue' button

WebElement accountDeletedMessage = driver.findElement(By.*xpath*("//div[contains(text(), 'ACCOUNT DELETED!')]"));

**if** (accountDeletedMessage.isDisplayed()) {

System.***out***.println("Account deleted successfully!");

} **else** {

System.***out***.println("Failed to delete the account.");

driver.quit();

**return**;

}

continueButton = driver.findElement(By.*xpath*("//button[text()='Continue']"));

continueButton.click();

// Close the browser

driver.quit();

}

}

**Test case-25: Verify Scroll up using ‘Arrow’ button and Scroll down functionality**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Scroll down page to bottom

JavascriptExecutor js = (JavascriptExecutor) driver;

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

// Verify 'SUBSCRIPTION' is visible

WebElement subscriptionText = driver.findElement(By.*xpath*("//h3[text()='SUBSCRIPTION']"));

**if** (subscriptionText.isDisplayed()) {

System.***out***.println("'SUBSCRIPTION' is visible.");

} **else** {

System.***out***.println("'SUBSCRIPTION' is not visible.");

driver.quit();

**return**;

}

// Click on arrow at bottom right side to move upward

WebElement arrowButton = driver.findElement(By.*xpath*("//div[@id='toTop']/a"));

arrowButton.click();

// Verify that page is scrolled up and 'Full-Fledged practice website for Automation Engineers' text is visible on screen

WebElement fullFledgedText = driver.findElement(By.*xpath*("//h2[contains(text(), 'Full-Fledged practice website for Automation Engineers')]"));

**if** (fullFledgedText.isDisplayed()) {

System.***out***.println("Page is scrolled up and 'Full-Fledged practice website for Automation Engineers' text is visible on screen.");

} **else** {

System.***out***.println("Failed to scroll up or 'Full-Fledged practice website for Automation Engineers' text is not visible.");

}

// Close the browser

driver.quit();

}

}

**Test case-26: Verify Scroll up without ‘Arrow’ button and Scroll down functionality**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SeleniumExample {

**public** **static** **void** main(String[] args) {

// Initialize ChromeDriver

WebDriver driver = **new** ChromeDriver();

// Navigate to the URL

driver.get("http://automationexercise.com");

// Verify that home page is visible successfully

String expectedTitle = "Automation Exercise - Ultimate QA";

String actualTitle = driver.getTitle();

**if** (actualTitle.equals(expectedTitle)) {

System.***out***.println("Home page is visible successfully.");

} **else** {

System.***out***.println("Home page is not visible successfully.");

driver.quit();

**return**;

}

// Scroll down page to bottom

JavascriptExecutor js = (JavascriptExecutor) driver;

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

// Verify 'SUBSCRIPTION' is visible

WebElement subscriptionText = driver.findElement(By.*xpath*("//h3[text()='SUBSCRIPTION']"));

**if** (subscriptionText.isDisplayed()) {

System.***out***.println("'SUBSCRIPTION' is visible.");

} **else** {

System.***out***.println("'SUBSCRIPTION' is not visible.");

driver.quit();

**return**;

}

// Scroll up page to top

js.executeScript("window.scrollTo(0, 0)");

// Verify that page is scrolled up and 'Full-Fledged practice website for Automation Engineers' text is visible on screen

WebElement fullFledgedText = driver.findElement(By.*xpath*("//h2[contains(text(), 'Full-Fledged practice website for Automation Engineers')]"));

**if** (fullFledgedText.isDisplayed()) {

System.***out***.println("Page is scrolled up and 'Full-Fledged practice website for Automation Engineers' text is visible on screen.");

} **else** {

System.***out***.println("Failed to scroll up or 'Full-Fledged practice website for Automation Engineers' text is not visible.");

}

// Close the browser

driver.quit();

}

}