**QA TEST – PATRICK BEJASA**

**GHERKIN FORMAT**

**Parameters**

**URL**: https://www.saucedemo.com/

Feature: Saucedemo.com

1) Scenario: Successful user login

Given the user is on the login page of newspapers.com

When the user enters a valid email and password

And clicks the "Log in" button

Then the user should be redirected to their homepage and validate if the user is logged in

2) Scenario: Invalid user login with incorrect credentials

Given the user is on the login page of Saucedemo.com

When the user enters an invalid email or password

And clicks the "Log in" button

Then an error message "Invalid login credentials" should be displayed

And the user should remain on the login page

3) Scenario: User logs in without entering credentials

Given the user is on the login page of Saucedemo.com

When the user clicks the "Log in" button without entering any credentials

Then an error message "Please enter your email and password" should be displayed

4) Scenario: User logs out successfully

Given the user is logged into Saucedemo.com

When the user clicks on the hamburger icon on top left corner

Then the user should click on Logout

And they should be redirected to login page

5) Scenario: User logs in and select all items and proceed to checkout

Given the user is logged into Saucedemo.com

When the user adds all items to cart

Then proceed to checkout

And they should be complete the checkout transaction

**CODE STRUCTURE (SELENIUM - JAVASCRIPT)**

Valid Login Test Case

public class Saucedemo {  
 public static void main(String[] args) throws InterruptedException {  
 ChromeOptions options = new ChromeOptions();  
 WebDriverManager.*chromedriver*().setup();  
 WebDriver driver = new ChromeDriver(options);  
 driver.manage().window().maximize();  
 driver.get("https://www.saucedemo.com/");  
 driver.findElement(By.*id*("user-name")).sendKeys("standard\_user");  
 driver.findElement(By.*id*("password")).sendKeys("secret\_sauce");  
 driver.findElement(By.*id*("login-button")).click();  
 String currentUrl = driver.getCurrentUrl();  
 System.*out*.println("Current URL after login: " + currentUrl);  
 System.*out*.println("Currently Logged In, TEST IS SUCCESSFUL");  
 Thread.*sleep*( Duration.*ofMillis*(5000));  
  
 driver.close();  
 }  
}

Invalid Login Test Case

public class InvalidSaucedemo {  
 public static void main(String[] args) throws InterruptedException {  
 ChromeOptions options = new ChromeOptions();  
 WebDriverManager.*chromedriver*().setup();  
 WebDriver driver = new ChromeDriver(options);  
 driver.manage().window().maximize();  
 driver.get("https://www.saucedemo.com/");  
 driver.findElement(By.*id*("user-name")).sendKeys("standard\_users");  
 driver.findElement(By.*id*("password")).sendKeys("secret\_sauces");  
 driver.findElement(By.*id*("login-button")).click();  
 String currentUrl = driver.getCurrentUrl();  
 if (currentUrl.equals("https://www.saucedemo.com/inventory.html")) {  
 System.*out*.println("TEST PASSED - Current URL after login: " + currentUrl);  
 } else {  
 System.*out*.println("LOGIN FAILED");  
 }  
  
 Thread.*sleep*( Duration.*ofMillis*(5000));  
  
 driver.close();  
 }  
}

No Credentials Provided

public class InvalidSaucedemo {  
 public static void main(String[] args) throws InterruptedException {  
 ChromeOptions options = new ChromeOptions();  
 WebDriverManager.*chromedriver*().setup();  
 WebDriver driver = new ChromeDriver(options);  
 driver.manage().window().maximize();  
 driver.get("https://www.saucedemo.com/");  
 driver.findElement(By.*id*("login-button")).click();  
 String currentUrl = driver.getCurrentUrl();  
 System.*out*.println("Invalid Login" + currentUrl);  
  
 Thread.*sleep*( Duration.*ofMillis*(5000));  
  
 driver.close();  
 }  
}

Successful Logout

public class Saucedemo {  
 public static void main(String[] args) throws InterruptedException {  
 ChromeOptions options = new ChromeOptions();  
 WebDriverManager.*chromedriver*().setup();  
 WebDriver driver = new ChromeDriver(options);  
 driver.manage().window().maximize();  
 driver.get("https://www.saucedemo.com/");  
 driver.findElement(By.*id*("user-name")).sendKeys("standard\_user");  
 driver.findElement(By.*id*("password")).sendKeys("secret\_sauce");  
 driver.findElement(By.*id*("login-button")).click();  
 String currentUrl = driver.getCurrentUrl();  
 if (currentUrl.equals("https://www.saucedemo.com/inventory.html")) {  
 System.*out*.println("TEST PASSED - Current URL after login: " + currentUrl);  
 } else {  
 System.*out*.println("LOGIN FAILED");  
 }  
 driver.findElement(By.*id*("react-burger-menu-btn")).click();  
 driver.findElement(By.*id*("logout\_sidebar\_link")).click();  
 if (currentUrl.equals("https://www.saucedemo.com")) System.*out*.println("LOGOUT SUCCESSFUL" + currentUrl);  
 else System.*out*.println("LOGOUT FAILED");  
  
 Thread.*sleep*( Duration.*ofMillis*(5000));  
  
 driver.close();  
 }  
}

Add All Items to Cart and Proceed to Checkout

public class Saucedemo {  
 public static void main(String[] args) throws InterruptedException {  
 ChromeOptions options = new ChromeOptions();  
 WebDriverManager.*chromedriver*().setup();  
 WebDriver driver = new ChromeDriver(options);  
 driver.manage().window().maximize();  
 driver.get("https://www.saucedemo.com/");  
 driver.findElement(By.*id*("user-name")).sendKeys("standard\_user");  
 driver.findElement(By.*id*("password")).sendKeys("secret\_sauce");  
 driver.findElement(By.*id*("login-button")).click();  
 String currentUrl = driver.getCurrentUrl();  
 System.*out*.println("Current URL after login: " + currentUrl);  
 System.*out*.println("Currently Logged In, TEST IS SUCCESSFUL");  
  
 driver.findElement(By.*id*("add-to-cart-sauce-labs-backpack")).click();  
 driver.findElement(By.*id*("add-to-cart-sauce-labs-bike-light")).click();  
 driver.findElement(By.*id*("add-to-cart-sauce-labs-bolt-t-shirt")).click();  
 driver.findElement(By.*id*("add-to-cart-sauce-labs-fleece-jacket")).click();  
 driver.findElement(By.*id*("add-to-cart-sauce-labs-onesie")).click();  
 driver.findElement(By.*id*("add-to-cart-test.allthethings()-t-shirt-(red)")).click();  
 driver.findElement(By.*className*("shopping\_cart\_link")).click();  
 driver.findElement(By.*id*("checkout")).click();  
 driver.findElement(By.*id*("first-name")).sendKeys("Test");  
 driver.findElement(By.*id*("last-name")).sendKeys("Test");  
 driver.findElement(By.*id*("postal-code")).sendKeys("123");  
 driver.findElement(By.*id*("continue")).click();  
 Thread.*sleep*( Duration.*ofMillis*(2000));  
 driver.findElement(By.*id*("finish")).click();  
 String checkoutUrl = driver.getCurrentUrl();  
 if (checkoutUrl.equals("https://www.saucedemo.com/checkout-complete.html")) {  
 System.*out*.println("TEST SUCCESSFUL: " + checkoutUrl);  
 }  
 else {  
 System.*out*.println("TEST FAILED");  
 }  
  
 Thread.*sleep*( Duration.*ofMillis*(5000));  
  
 driver.close();  
 }  
}

**TEST REPORT**

**Project Name**: Saucedemo Testing

**Tested by**: Patrick Bejasa

**Date**: 03/22/2025

**Test Purpose**: To validate User login functionalities

**Scope**: Valid and Invalid Testing of User login

**Test Environment**: Laptop – Windows 11

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TEST CASE ID | TEST CASE DESCRIPTION | TEST STEPS | EXPECTED RESULT | ACTUAL RESULT | STATUS |
| TC001 | Check Login Functionality | 1. Enter Valid Credentials 2. Click Login 3. Verify if User is Logged In | User successfully Login | User successfully Login | Pass |
| TC002 | Check Login Functionality with Invalid Credentials | 1. Enter Invalid Credentials 2. Click Login | User fails to Login | User fails to Login | Pass |
| TC003 | Check Login Functionality without Using Any Credentials | 1. Leave the Username and Password Blank 2. Click on Login | User fails to Login and is prompt with Please enter a Username or Password | User fails to Login and is prompt with Please enter a Username or Password | Pass |
| TC004 | Check Login and Logout Functionality | 1. Enter Valid Credentials 2. Click Login 3. Verify if User is Logged In 4. Click on Logout Button | User successfully Login and Logout | User successfully Login and Logout | Pass |
| TC005 | Add to Cart and Checkout Items | 1. Enter Valid Credentials 2. Click Login 3. Verify if User is Logged In 4. Add all items to cart 5. Proceed to checkout all item | User successfully Login and add all items to cart and complete transaction | User successfully Login and add all items to cart and complete transaction | Pass |

**Libraries Used**

Selenium