

Start Agile - Capstone Project	Student Name: Vijina P
Automation Testing Framework for bstackdemo.com using Java and Selenium	

Question:

Automate Test Case Scenarios

Login Tests

1. TC_001: Login with valid credentials (username: demouser, password: testingisfun99)
2. TC_002: Login with invalid credentials
3. TC_003: Login with empty username/password `/.`

Cart Tests

1. TC_004: Add single item to cart
2. TC_005: Add multiple items to cart and verify cart count
3. TC_006: Remove item from cart .

Checkout Tests

1. TC_007: Place order with valid details
2. TC_008: Checkout flow without adding items (negative test)

Github repository

The source code has been uploaded to the following git repository;

Url	https://github.com/vijinabalakrishnan/Capstone_Projects/tree/main/BstackDemo
Branch	main
Access	Public

Project Structure



pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd>
  <modelVersion>4.0.0</modelVersion>
  <groupId>Auto_Testing_BstackDemo</groupId>
  <artifactId>Auto_Testing_BstackDemo</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
```

```

<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
    <dependency>
        <groupId>org.seleniumhq.selenium</groupId>
        <artifactId>selenium-java</artifactId>
        <version>4.34.0</version>
    </dependency>
    <dependency>
        <groupId>com.aventstack</groupId>
        <artifactId>extentreports</artifactId>
        <version>5.0.9</version>
    </dependency>
</dependencies>
<build>
    <sourceDirectory>src</sourceDirectory>
    <plugins>
        <plugin>
            <artifactId>maven-compiler-plugin</artifactId>
            <version>3.13.0</version>
            <configuration>
                <release>13</release>
            </configuration>
        </plugin>
    </plugins>
</build>
</project>

```

testng.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="BstackDemo">
    <test name="BstackDemo_Test">
        <classes>
            <class name="test.java.tests.LoginTests"/>
            <class name="test.java.tests.AddToCartTests"/>
            <class name="test.java.tests.CheckoutTests"/>
        </classes>
    </test>
</suite>

```

\src\main\java\pages\CartPage.java

```

package main.java.pages;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import main.java.utils.WaitUtils;

import java.util.List;

public class CartPage {
    private WebDriver driver;
    private WaitUtils waitUtil;

```

```

private By cartCount = By.xpath("/html/body/div/div/div/div[2]/div[2]/div[1]/span[1]/span");
private By removeButtons = By.cssSelector(".shelf-item__del");
private By checkoutButton = By.className("buy-btn");

public CartPage(WebDriver driver, WaitUtils waitUtil) {
    this.driver = driver;
    this.waitUtil = waitUtil;
}

public int getCartItemCount() {
    waitUtil.waitForVisibility(cartCount);
    String countText = driver.findElement(cartCount).getText();
    try {
        return Integer.parseInt(countText);
    } catch (NumberFormatException e) {
        return 0;
    }
}

public void removeItem(int index) {
    List<WebElement> removes = driver.findElements(removeButtons);
    if (index < removes.size()) {
        removes.get(index).click();
    }
}

public void clickCheckout() {
    driver.findElement(checkoutButton).click();
}
}

```

\\src\\main\\java\\pages\\CheckoutPage.java

```

package main.java.pages;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;

import main.java.utils.WaitUtils;

public class CheckoutPage {
    private WebDriver driver;
    private WaitUtils waitUtil;

    private By firstNameInput = By.id("firstNameInput");
    private By lastNameInput = By.id("lastNameInput");
    private By addressLine1Input = By.id("addressLine1Input");
    private By provinceInput = By.id("provinceInput");
    private By postCodeInput = By.id("postCodeInput");
    private By submitBtn = By.id("checkout-shipping-continue");
    private By confirmationMessage = By.id("confirmation-message");
}

```

```

public CheckoutPage(WebDriver driver, WaitUtils waitUtil) {
    this.driver = driver;
    this.waitUtil = waitUtil;
}

public void clickPurchase() {
    driver.findElement(submitBtn).click();
}

public String getConfirmationMessage() {
    return driver.findElement(confirmationMessage).getText();
}

public void fillCheckoutForm(String firstName, String lastName, String addressLine1,
    String province, String postCode) {
    driver.findElement(firstNameInput).sendKeys(firstName);
    driver.findElement(lastNameInput).sendKeys(lastName);
    driver.findElement(addressLine1Input).sendKeys(addressLine1);
    driver.findElement(provinceInput).sendKeys(province);
    driver.findElement(postCodeInput).sendKeys(postCode);
}
}

```

\src\main\java\pages\ProductPage.java

```

package main.java.pages;

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

import main.java.utils.WaitUtils;

import java.util.List;

public class ProductPage {
    private WebDriver driver;
    private WaitUtils waitUtil;

    private By products = By.cssSelector(".shelf-item");
    private By addToCartButton = By.cssSelector(".shelf-item__buy-btn");
    private By cartCount = By.xpath("/html/body/div/div/div/div[2]/div[2]/div[1]/span[1]/span");
    private By cartIcon = By.className("bag--float-cart-closed");

    public ProductPage(WebDriver driver, WaitUtils waitUtil) {
        this.driver = driver;
        this.waitUtil = waitUtil;
    }

    public void addItemToCart(int index) {
        List<WebElement> items = driver.findElements(products);
        if (index < items.size()) {
            items.get(index).findElement(addToCartButton).click();
        }
    }
}

```

```

public int getCartCount() {
    waitUtil.waitForVisibility(cartCount);
    String countText = driver.findElement(cartCount).getText();
    try {
        return Integer.parseInt(countText);
    } catch (NumberFormatException e) {
        return 0;
    }
}

public void openCart() {
    driver.findElement(cartIcon).click();
}

public String getLoggedInUserName() {
    waitUtil.waitForVisibility(By.className("username"));
    return driver.findElement(By.className("username")).getText();
}
}

```

\src\main\java\pages\LoginPage.java

```

package main.java.pages;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;

import main.java.utils.WaitUtils;

public class LoginPage {
    private WebDriver driver;
    private WaitUtils waitUtil;
    private By usernameDropdown = By.id("username");
    private By passwordDropdown = By.id("password");
    private By usernameInput = By.cssSelector("#username input");
    private By passwordInput = By.cssSelector("#password input");
    private By loginButton = By.id("login-btn");
    private By errorMessage = By.className("api-error");

    public LoginPage(WebDriver driver, WaitUtils waitUtil) {
        this.driver = driver;
        this.waitUtil = waitUtil;
    }

    public String getErrorMessage() {
        try {
            return driver.findElement(errorMessage).getText();
        } catch (Exception e) {
            return "";
        }
    }
}

```

```

public void login(String username, String password) {
    if(username != "")
    {
        driver.findElement(usernameDropdown).click();
        driver.findElement(usernameInput).sendKeys(username + Keys.ENTER);
    }
    if(password != "")
    {
        driver.findElement(passwordDropdown).click();
        driver.findElement(passwordInput).sendKeys(password + Keys.ENTER);
    }
    driver.findElement(loginButton).click();
}
}

```

\src\main\java\utils\ConfigReader.java

```

package main.java.utils;

import java.io.FileInputStream;
import java.io.IOException;
import java.util.Properties;

public class ConfigReader {

    private static Properties properties;

    // Static block executes only once when the class is loaded
    static {
        try {
            FileInputStream fis = new FileInputStream("config.properties");
            properties = new Properties();
            properties.load(fis);
        } catch (IOException e) {
            System.out.println("Exception while loading config.properties: " + e.getMessage());
            e.printStackTrace();
        }
    }

    // Method to fetch value by key
    public static String get(String key) {
        return properties.getProperty(key);
    }

    // Method to fetch value with default if not found
    public static String getOrDefault(String key, String defaultValue) {
        return properties.getProperty(key, defaultValue);
    }
}

```

\src\main\java\utils\WaitUtils.java

```

package main.java.utils;

```

```

import org.openqa.selenium.*;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

import java.time.Duration;

public class WaitUtils {

    private WebDriver driver;
    private WebDriverWait wait;

    // Constructor
    public WaitUtils(WebDriver driver, int timeoutInSeconds) {
        this.driver = driver;
        this.wait = new WebDriverWait(driver, Duration.ofSeconds(timeoutInSeconds));
    }

    // Wait until element is visible
    public WebElement waitForVisibility(By locator) {
        return wait.until(ExpectedConditions.visibilityOfElementLocated(locator));
    }

    // Wait until element is clickable
    public WebElement waitForClickable(By locator) {
        return wait.until(ExpectedConditions.elementToBeClickable(locator));
    }

    // Wait until element is present in the DOM
    public WebElement waitForPresence(By locator) {
        return wait.until(ExpectedConditions.presenceOfElementLocated(locator));
    }

    // Wait until element is invisible
    public boolean waitForInvisibility(By locator) {
        return wait.until(ExpectedConditions.invisibilityOfElementLocated(locator));
    }

    // Wait until text is present in element
    public boolean waitForText(By locator, String text) {
        return wait.until(ExpectedConditions.textToBePresentInElementLocated(locator, text));
    }

    // Wait until alert is present
    public Alert waitForAlert() {
        return wait.until(ExpectedConditions.alertIsPresent());
    }
}

```

\\src\\main\\java\\utils\\WebDriverFactory.java

```

package main.java.utils;

```

```

import org.openqa.selenium.WebDriver;

```



```

import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.edge.EdgeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

import java.time.Duration;

public class WebDriverFactory {

    public static WebDriver createDriver(String browser) {
        WebDriver driver;

        switch (browser.toLowerCase()) {
            case "chrome":
                driver = new ChromeDriver();
                break;

            case "firefox":
                driver = new FirefoxDriver();
                break;

            case "edge":
                driver = new EdgeDriver();
                break;

            default:
                throw new IllegalArgumentException("Invalid browser: " + browser);
        }

        // Common WebDriver settings
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
        return driver;
    }
}

```

Test Cases

\src\test\java\tests\BaseTest.java

```
package test.java.tests;
```

```

import com.aventstack.extentreports.ExtentReports;
import com.aventstack.extentreports.ExtentTest;
import com.aventstack.extentreports.reporter.ExtentSparkReporter;
import org.openqa.selenium.WebDriver;
import org.testng.annotations.*;

```

```

import main.java.utils.ConfigReader;
import main.java.utils.WaitUtils;
import main.java.utils.WebDriverFactory;

```

```

public class BaseTest {
    protected WebDriver driver;

```

```

protected static ExtentReports extent;
protected ExtentTest test;
protected WaitUtils waitUtil;

@BeforeSuite
public void setupExtent() {
    ExtentSparkReporter spark = new ExtentSparkReporter("test-output/ExtentReport.html");
    extent = new ExtentReports();
    extent.attachReporter(spark);
}

@AfterSuite
public void tearDownExtent() {
    extent.flush();
}

@BeforeMethod
public void setupDriver() {
    String browser = ConfigReader.getOrDefault("browser", "chrome");
    System.setProperty(ConfigReader.get("driverClass"),
        ConfigReader.get("driverPath"));
    driver = WebDriverFactory.createDriver(browser);
    driver.get(ConfigReader.get("baseUrl"));

    waitUtil = new WaitUtils(driver,5);
}

@AfterMethod
public void quitDriver() {
    if(driver != null) {
        driver.quit();
    }
}
}

```

\src\test\java\tests\LoginTests.java

```

package test.java.tests;

import com.aventstack.extentreports.Status;

import org.testng.Assert;
import org.testng.annotations.Test;
import main.java.pages.*;

public class LoginTests extends BaseTest {

    @Test
    public void loginWithValidCredentials() {
        test = extent.createTest("Login with valid credentials");
        LoginPage loginPage = new LoginPage(driver, waitUtil);

        loginPage.login("demouser", "testingisfun99");
    }
}

```

```

// Check for successful login: dashboard displays logged in username
ProductPage homePage = new ProductPage(driver, waitUtil);
String loggedInUserName = homePage.getLoggedInUserName();
test.log(Status.INFO, "Logged in UserName: " + loggedInUserName);
Assert.assertEquals(loggedInUserName, "demouser", "Login probably failed, cart count is invalid");
test.log(Status.PASS, "Login with valid credentials passed");
}

```

@Test

```

public void loginWithInvalidCredentials() {
    test = extent.createTest("Login with invalid credentials");
    LoginPage loginPage = new LoginPage(driver, waitUtil);

    loginPage.login("wronguser", "wrongpassword");

    String error = loginPage.getErrorMessage();
    test.log(Status.INFO, "Error message displayed: " + error);
    Assert.assertTrue(error.contains("Invalid") || !error.isEmpty(), "Error message should be displayed");
    test.log(Status.PASS, "Login with invalid credentials test passed");
}

```

@Test

```

public void loginWithEmptyUsernamePassword() {
    test = extent.createTest("Login with empty username and password");
    LoginPage loginPage = new LoginPage(driver, waitUtil);

    loginPage.login("", "");

    String error = loginPage.getErrorMessage();
    test.log(Status.INFO, "Error message displayed: " + error);
    Assert.assertTrue(error.contains("required") || !error.isEmpty(), "Error message should be displayed for empty input");
    test.log(Status.PASS, "Login with empty credentials test passed");
}
}

```

\src\test\java\tests\AddToCartTests.java

```

package test.java.tests;

```

```

import com.aventstack.extentreports.Status;
import org.testng.Assert;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;
import main.java.pages.*;

```

```

public class AddToCartTests extends BaseTest {

```

@BeforeMethod

```

public void login() {
    LoginPage loginPage = new LoginPage(driver, waitUtil);
    loginPage.login("demouser", "testingisfun99");
}

```

```

@Test
public void addSingleItemToCart() {
    test = extent.createTest("Add single item to cart");
    ProductPage homePage = new ProductPage(driver, waitUtil);

    homePage.addItemToCart(0);
    int cartCount = homePage.getCartCount();
    test.log(Status.INFO, "Cart count after adding one item: " + cartCount);

    Assert.assertEquals(cartCount, 1);
    test.log(Status.PASS, "Add single item to cart test passed");
}

```

```

@Test
public void addMultipleItemsToCartAndVerifyCount() {
    test = extent.createTest("Add multiple items to cart and verify count");
    ProductPage homePage = new ProductPage(driver, waitUtil);

    homePage.addItemToCart(0);
    homePage.addItemToCart(1);
    int cartCount = homePage.getCartCount();
    test.log(Status.INFO, "Cart count after adding two items: " + cartCount);

    Assert.assertEquals(cartCount, 2);
    test.log(Status.PASS, "Add multiple items to cart and verify count test passed");
}

```

```

@Test
public void removeItemFromCart() {
    test = extent.createTest("Remove item from cart");
    ProductPage homePage = new ProductPage(driver, waitUtil);

    homePage.addItemToCart(0);
    homePage.addItemToCart(1);

    CartPage cartPage = new CartPage(driver, waitUtil);
    int beforeRemoveCount = cartPage.getCartItemCount();
    test.log(Status.INFO, "Cart items before removal: " + beforeRemoveCount);

    cartPage.removeItem(0);

    int afterRemoveCount = cartPage.getCartItemCount();
    test.log(Status.INFO, "Cart items after removal: " + afterRemoveCount);

    Assert.assertEquals(afterRemoveCount, beforeRemoveCount - 1);
    test.log(Status.PASS, "Remove item from cart test passed");
}
}

```

\\src\\test\\java\\tests\\CheckoutTests.java
package test.java.tests;

```

import com.aventstack.extentreports.Status;
import org.testng.Assert;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;
import main.java.pages.*;
import main.java.utils.WaitUtils;

public class CheckoutTests extends BaseTest {

    @BeforeMethod
    public void login() {
        LoginPage loginPage = new LoginPage(driver, waitUtil);
        loginPage.login("demouser", "testingisfun99");
    }

    @Test
    public void placeOrderWithValidDetails() {
        test = extent.createTest("Place order with valid details");
        ProductPage homePage = new ProductPage(driver, waitUtil);

        homePage.addItemToCart(2);

        CartPage cartPage = new CartPage(driver, waitUtil);
        cartPage.clickCheckout();

        CheckoutPage checkoutPage = new CheckoutPage(driver, waitUtil);
        checkoutPage.fillCheckoutForm("Vijina", "P", "Bangalore", "KA", "560068");
        checkoutPage.clickPurchase();

        String confirmation = checkoutPage.getConfirmationMessage();
        test.log(Status.INFO, "Order confirmation message: " + confirmation);

        Assert.assertEquals(confirmation, "Your Order has been successfully placed.", "Confirmation message not displayed");
        test.log(Status.PASS, "Place order with valid details test passed");
    }

    @Test
    public void checkoutWithoutAddingItems() {
        test = extent.createTest("Checkout flow without adding items (negative test)");
        ProductPage homePage = new ProductPage(driver, waitUtil);

        homePage.openCart();

        CartPage cartPage = new CartPage(driver, waitUtil);
        cartPage.clickCheckout();

        // Assuming that the checkout page won't allow purchase or shows error on empty cart
        CheckoutPage checkoutPage = new CheckoutPage(driver, waitUtil);

        // Fill the details form
        try {
            checkoutPage.fillCheckoutForm("Vijina", "P", "Bangalore", "KA", "560068");

```

```

checkoutPage.clickPurchase();
String confirmation = checkoutPage.getConfirmationMessage();

// If confirmation contains error message, assert that
test.log(Status.INFO, "Checkout confirmation or message: " + confirmation);
Assert.assertEquals(confirmation,"Your Order has been successfully placed.", "Confirmation message not
displayed");

} catch (Exception e) {
    test.log(Status.INFO, "Exception or failure as expected: " + e.getMessage());
    Assert.assertTrue(true);
}
test.log(Status.PASS, "Checkout without adding items negative test passed");
}
}

```

Output

Test-output Folder

Name	Date modified	Type	Size
BstackDemo	10-08-2025 03:23 PM	File folder	
Default suite	10-08-2025 03:21 PM	File folder	
junitreports	10-08-2025 03:23 PM	File folder	
bullet_point.png	10-08-2025 03:23 PM	PNG File	1 KB
collapseall.gif	10-08-2025 03:23 PM	GIF File	1 KB
emailable-report.html	10-08-2025 03:23 PM	Chrome HTML Docu...	5 KB
ExtentReport.html	10-08-2025 03:23 PM	Chrome HTML Docu...	22 KB
failed.png	10-08-2025 03:23 PM	PNG File	1 KB
index.html	10-08-2025 03:23 PM	Chrome HTML Docu...	28 KB
jquery-3.6.0.min.js	10-08-2025 03:23 PM	JavaScript File	88 KB
navigator-bullet.png	10-08-2025 03:23 PM	PNG File	1 KB
passed.png	10-08-2025 03:23 PM	PNG File	1 KB
skipped.png	10-08-2025 03:23 PM	PNG File	1 KB
testng-failed.xml	10-08-2025 01:26 AM	Microsoft Edge HTM...	1 KB
testng-reports.css	10-08-2025 03:23 PM	Cascading Style Shee...	6 KB
testng-reports.js	10-08-2025 03:23 PM	JavaScript File	4 KB
testng-reports1.css	10-08-2025 03:23 PM	Cascading Style Shee...	7 KB
testng-reports2.js	10-08-2025 03:23 PM	JavaScript File	4 KB
testng-results.xml	10-08-2025 03:23 PM	Microsoft Edge HTM...	12 KB

Extent Report

Tests



Login with empty username and password
3:23:02 pm / 00:00:00:287

Pass

Login with invalid credentials
3:23:07 pm / 00:00:00:658

Pass

Login with valid credentials
3:23:11 pm / 00:00:01:194

Pass

Add multiple items to cart and verify count
3:23:16 pm / 00:00:01:019

Pass

Add single item to cart
3:23:21 pm / 00:00:01:447

Pass

Remove item from cart
3:23:27 pm / 00:00:01:220

Pass

Checkout flow without adding items (negative test)
3:23:33 pm / 00:00:05:979

Pass

Login with empty username and password

08.10.2025 3:23:02 pm 08.10.2025 3:23:02 pm 00:00:00:287 · #test-id=1

STATUS	TIMESTAMP	DETAILS
Info	3:23:02 pm	Error message displayed: Invalid Username
Pass	3:23:02 pm	Login with empty credentials test passed

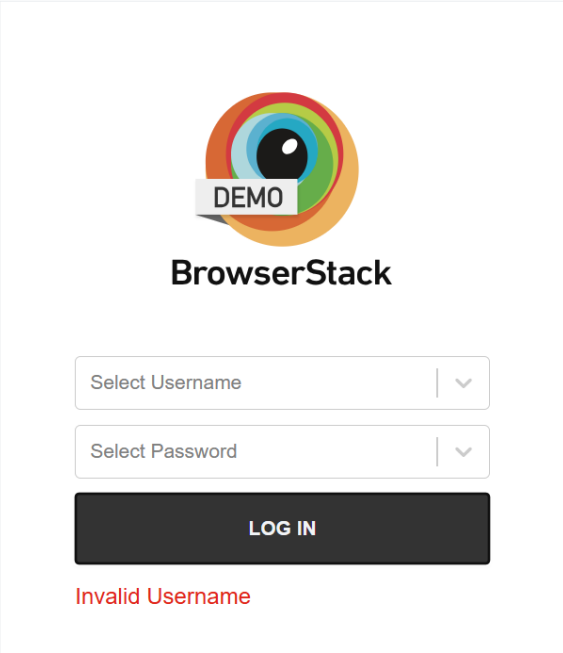
Screenshots

Login Tests

TC_003: Login with empty username and password

bstackdemo.com/signin

Chrome is being controlled by automated test software.



ExtentReport Screenshot

→ ↺

File

D:/Learning/Java/Java_Selenium_Projects/test-output/ExtentReport.html

Google

StarAgile

Automation | SA250...

Gmail

Maps

Find and stop proce...

YouTube

EuroKids Reinventin...

Xelate

Q

Tests

!

Login with empty username and password

3:23:02 pm / 00:00:00:287

Pass

Login with invalid credentials

3:23:07 pm / 00:00:00:658

Pass

Login with valid credentials

3:23:11 pm / 00:00:01:194

Pass

Add multiple items to cart and verify count

3:23:16 pm / 00:00:01:019

Pass

Add single item to cart

3:23:21 pm / 00:00:01:447

Pass

Remove item from cart

3:23:27 pm / 00:00:01:220

Pass

Checkout flow without adding items (negative test)

Login with empty username and password

08.10.2025 3:23:02 pm

08.10.2025 3:23:02 pm

00:00:00:287


#test-id=1

STATUS	TIMESTAMP	DETAILS
Info	3:23:02 pm	Error message displayed: Invalid Username
Pass	3:23:02 pm	Login with empty credentials test passed

TC_002: Login with invalid credentials

← → ↻ 🏠 bstackdemo.com/signin

Chrome is being controlled by automated test software.



BrowserStack

LOG IN

Invalid Username


ExtentReport Screenshot

→ ↻ ⓘ File D:/Learning/Java/Java_Selenium_Projects/test-output/ExtentReport.html		
🔍 Google ⚡ StarAgile 🚀 Automation SA250... 📧 Gmail 🗺 Maps 🔍 Find and stop proce... 📺 YouTube 📺 EuroKids Reinventin... 📁 Xelate 🔄 in		
<div>☰</div> <div>📊</div>	Tests	!
	Login with empty username and password	08.10.2025 3:23:07 pm 08.10.2025 3:23:07 pm 00:00:00:658 #test-id=2
	3:23:02 pm / 00:00:00:287	Pass
	Login with invalid credentials	
	3:23:07 pm / 00:00:00:658	Pass
	Login with valid credentials	
	3:23:11 pm / 00:00:01:194	Pass
	Add multiple items to cart and verify count	
	3:23:16 pm / 00:00:01:019	Pass
	Add single item to cart	
	3:23:21 pm / 00:00:01:447	Pass
	Remove item from cart	
	3:23:27 pm / 00:00:01:220	Pass
	Checkout flow without adding items (negative test)	
	3:23:33 pm / 00:00:05:979	Pass
Login with invalid credentials		
STATUS TIMESTAMP DETAILS		
Info	3:23:07 pm	Error message displayed: Invalid Username
Pass	3:23:07 pm	Login with invalid credentials test passed

TC_001: Login with valid credentials (username: demouser, password: testingisfun99)

← → ↻ 📄 bstackdemo.com/?signin=true ☆ ⓘ

Chrome is being controlled by automated test software.

 **BrowserStack** DEMO

OffersOrdersFavourites





Search

demouserLogout

Shop smarter with our mobile e-commerce platform! Explore unbeatable deals, trending products, and seamless checkout—all at your fingertips. From fashion to electronics, find everything you need in one place. Enjoy fast delivery, secure payments, and 24/7 customer support. Download the app today and elevate your shopping experience like never before!"

Vendors: 25 Product(s) found. Order by

AppleSamsungGoogleOnePlus



ExtentReport Screenshot

→ ↻ ⓘ File D:/Learning/Java/Java_Selenium_Projects/test-output/ExtentReport.html

Google StarAgile Automation | SA250... Gmail Maps Find and stop proce... YouTube EuroKids Reinventin... Xelate

🔍

Tests	
Login with empty username and password 3:23:02 pm / 00:00:00:287	Pass
Login with invalid credentials 3:23:07 pm / 00:00:00:658	Pass
Login with valid credentials 3:23:11 pm / 00:00:01:194	Pass
Add multiple items to cart and verify count 3:23:16 pm / 00:00:01:019	Pass
Add single item to cart 3:23:21 pm / 00:00:01:447	Pass
Remove item from cart 3:23:27 pm / 00:00:01:220	Pass
Checkout flow without adding items (negative test)	

Login with valid credentials

08.10.2025 3:23:11 pm 08.10.2025 3:23:12 pm 00:00:01:194 · #test-id=3


STATUS	TIMESTAMP	DETAILS
Info	3:23:12 pm	Logged in UserName: demouser
Pass	3:23:12 pm	Login with valid credentials passed

Cart Tests

TC_004: Add single item to cart

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 **BrowserStack** DEMO

OffersOrdersFavourites

Search 🔍 Search 🔍


demouserLogout


support. Download the app today and elevate your shopping


Vendors: 25 Product(s) found.

Apple Samsung

Google OnePlus


iPhone 12
\$ 799.00
or 9 x \$ 88.78
Add to cart


iPhone 12 Mini
\$ 699.00
or 9 x \$ 77.67
Add to cart


iPhone 12
\$ 799.00
Quantity: 1
SUBTOTAL \$ 799.00
OR UP TO 9 x \$ 88.78
CHECKOUT

ExtentReport Screenshot

→ ↻ 🔍 File D:/Learning/Java/Java_Selenium_Projects/test-output/ExtentReport.html

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Tests

Login with empty username and password
3:23:02 pm / 00:00:00:287

Login with invalid credentials
3:23:07 pm / 00:00:00:658

Login with valid credentials
3:23:11 pm / 00:00:01:194

Add multiple items to cart and verify count
3:23:16 pm / 00:00:01:019

Add single item to cart
3:23:21 pm / 00:00:01:447

Remove item from cart
3:23:27 pm / 00:00:01:220

Checkout flow without adding items (negative test)

Add single item to cart

08.10.2025 3:23:21 pm 08.10.2025 3:23:23 pm 00:00:01:447 #test-id=5

STATUS	TIMESTAMP	DETAILS
Info	3:23:23 pm	Cart count after adding one item: 1
Pass	3:23:23 pm	Add single item to cart test passed

TC 005: Add multiple items to cart and verify cart count

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BrowserStack DEMO Offers Orders Favourites Search Search demouser Logout

support. Download the app today and elevate your shopping

Vendors: 25 Product(s) found.

Apple Samsung Google OnePlus

iPhone 12 \$ 799.00 or 9 x \$ 88.78 Add to cart

iPhone 12 Mini \$ 699.00 or 9 x \$ 77.67 Add to cart

iPhone 12 \$ 799.00 Add to cart

Bag

iPhone 12 Apple Quantity: 1 \$ 799.00

SUBTOTAL \$ 1498.00 OR UP TO 9 x \$ 166.44

CHECKOUT

ExtentReport Screenshot

File D:\Learning\Java\Java_Selenium_Projects\test-output\ExtentReport.html

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Tests

Login with empty username and password	3:23:02 pm / 00:00:00:287	Pass
Login with invalid credentials	3:23:07 pm / 00:00:00:658	Pass
Login with valid credentials	3:23:11 pm / 00:00:01:194	Pass
Add multiple items to cart and verify count	3:23:16 pm / 00:00:01:019	Pass
Add single item to cart	3:23:21 pm / 00:00:01:447	Pass
Remove item from cart	3:23:27 pm / 00:00:01:220	Pass
Checkout flow without adding items (negative test)	3:23:33 pm / 00:00:05:979	Pass

Add multiple items to cart and verify count


08.10.2025 3:23:16 pm 08.10.2025 3:23:17 pm 00:00:01:019 #test-id=4

STATUS	TIMESTAMP	DETAILS
Info	3:23:17 pm	Cart count after adding two items: 2
Pass	3:23:17 pm	Add multiple items to cart and verify count test passed

TC 006: Remove item from cart (2 items added and one item removed)

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OffersOrdersFavourites

Search


Search

demouserLogout

everything you need in one place. Enjoy fast delivery, secure support. Download the app today and elevate your shopping

Vendors:25 Product(s) found.


AppleSamsungGoogleOnePlus



iPhone 12

\$ 799.00


or 9 x \$ 88.78




iPhone 12 Mini

\$ 699.00

or 9 x \$ 77.67

Bag



iPhone 12 Mini

Apple

Quantity: 1

SUBTOTAL

\$ 699.00

OR UP TO 9 x \$ 77.67

CHECKOUT

ExtentReport Screenshot

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Tests ⓘ

Login with empty username and password

3:23:02 pm / 00:00:00:287

Pass

Login with invalid credentials

3:23:07 pm / 00:00:00:658

Pass

Login with valid credentials

3:23:11 pm / 00:00:01:194

Pass

Add multiple items to cart and verify count

3:23:16 pm / 00:00:01:019

Pass

Add single item to cart

3:23:21 pm / 00:00:01:447

Pass

Remove item from cart

3:23:27 pm / 00:00:01:220

Pass

Checkout flow without adding items (negative test)

3:23:33 pm / 00:00:05:979

Pass

Remove item from cart

08.10.2025 3:23:27 pm

08.10.2025 3:23:29 pm

00:00:01:220

#test-id=6

STATUS	TIMESTAMP	DETAILS
Info	3:23:29 pm	Cart items before removal: 2
Info	3:23:29 pm	Cart items after removal: 1
Pass	3:23:29 pm	Remove item from cart test passed

Checkout Tests

TC 007: Place order with valid details


StackDemo

Your Order has been successfully placed.

Your order number is 66.

[Download order receipt](#)

CONTINUE SHOPPING »

Order Summary		
1 item(s)		
	iPhone 12 Pro Max Apple 1	\$1099
Total (USD)		\$1099.00

ExtentReport Screenshot

→ ↺

File

D:/Learning/Java/Java_Selenium_Projects/test-output/ExtentReport.html

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Gmail

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Find and stop proce...

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info

Q

Tests

3:23:07 pm / 00:00:00:000

!

Login with valid credentials

3:23:11 pm / 00:00:01:194

Pass

Add multiple items to cart and verify count

3:23:16 pm / 00:00:01:019

Pass

Add single item to cart

3:23:21 pm / 00:00:01:447

Pass

Remove item from cart

3:23:27 pm / 00:00:01:220

Pass

Checkout flow without adding items (negative test)

3:23:33 pm / 00:00:05:979

Pass

Place order with valid details

3:23:43 pm / 00:00:02:649

Pass

Place order with valid details

08.10.2025 3:23:43 pm

08.10.2025 3:23:45 pm

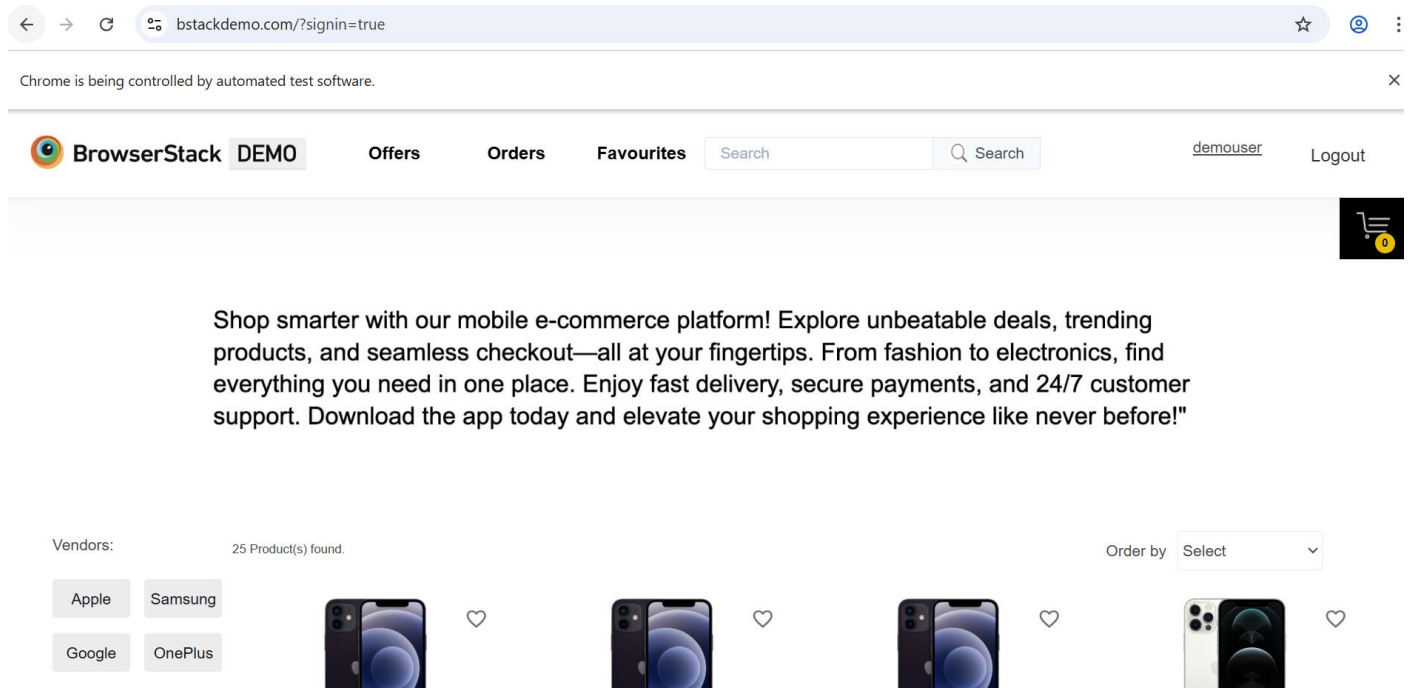
00:00:02:649

#test-id=8

STATUS	TIMESTAMP	DETAILS
Info	3:23:45 pm	Order confirmation message: Your Order has been successfully placed.
Pass	3:23:45 pm	Place order with valid details test passed

TC 008: Checkout flow without adding items (negative test)

(Cart window collapses when empty, exception thrown in test case)



ExtentReport Screenshot

File D:/Learning/Java/Java_Selenium_Projects/test-output/ExtentReport.html

Aug 10, 2025 03:22:58 pm

Tests	STATUS	TIMESTAMP	DETAILS
Login with invalid credentials 3:23:07 pm / 00:00:00:658	Pass		
Login with valid credentials 3:23:11 pm / 00:00:01:194	Pass		
Add multiple items to cart and verify count 3:23:16 pm / 00:00:01:019	Pass		
Add single item to cart 3:23:21 pm / 00:00:01:447	Pass		
Remove item from cart 3:23:27 pm / 00:00:01:220	Pass		
Checkout flow without adding items (negative test) 3:23:33 pm / 00:00:05:979	Info	3:23:39 pm	Exception or failure as expected: no such element: Unable to locate element: ("method":"css selector","selector":"#firstNameInput") (Session info: chrome=139.0.7258.67) For documentation on this error, please visit: https://www.selenium.dev/documentation/webdriver/troubleshooting/errors#no-such-element-exception Build info: version: '4.34.0', revision: '707dcb4246' System info: os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '14.0.2' Driver info: org.openqa.selenium.chrome.ChromeDriver Command: [8231be0f6d8e9fc96f4bf45490fbad8b, findElement (using=id, value=firstNameInput)] Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 139.0.7258.67, chrome: {chromedriverVersion: 139.0.7258.6 (b89fbab9a109b..., userDataDir: C:\Users\vinee\AppData\Local\...), fedcm:accounts: true, goog:chromeOptions: {debuggerAddress: localhost:50376}, networkConnectionEnabled: false, pageLoadStrategy: normal, platformName: windows, proxy: Proxy(), se:cdp: ws://localhost:50376/devtools..., se:cdpVersion: 139.0.7258.67, setWindowRect: true, strictFileInteractability: false, timeouts: {implicit: 0, pageLoad: 300000, script: 30000}, unhandledPromptBehavior: dismiss and notify, webauthn:extension:credBlob: true, webauthn:extension:largeBlob: true, webauthn:extension:minPinLength: true, webauthn:extension:prf: true, webauthn:virtualAuthenticators: true} Session ID: 8231be0f6d8e9fc96f4bf45490fbad8b
Place order with valid details 3:23:43 pm / 00:00:02:649	Pass		
	Pass	3:23:39 pm	Checkout without adding items negative test passed

Maven Clean Screenshot

FileEditSourceRefactorNavigateSearchProjectRunWindowHelp

DebugProject Explorer

Auto_Testing_BstackDemo (in Java)

src

main.java.pages

CartPage.java

CheckoutPage.java

LoginPage.java

ProductPage.java

main.java.utils

ConfigReader.java

WaitUtils.java

WebDriverFactory.java

test.java.listeners

test.java.tests

AddToCartTests.java

BaseTest.java

CheckoutTests.java

LoginTests.java

JRE System Library [JavaSE-13]

Maven Dependencies

TestNG

bin

target

test-output

config.properties

pom.xml

testng.xml

Demo1

demo testng new

ConfigRead...BaseTest.javaWaitUtils.javaAddToCartTes...CheckoutTes...LoginTests.javaWebDriverFa...

27public void tearDownExtent() {

28 extent.flush();

29}

30

31@BeforeMethod

32public void setupDriver() {

33 String browser = ConfigReader.getDefault("browser", "chrome");

34 System.setProperty(ConfigReader.get("driverClass"),

35 ConfigReader.get("driverPath"));

36 driver = WebDriverFactory.createDriver(browser);

37 driver.get(ConfigReader.get("baseUrl"));

38

39 waitUtil = new WaitUtils(driver,5);

40}

41

42@AfterMethod

43public void quitDriver() {

44 if(driver != null) {

45 driver.quit();

46 }

47}

48}

49

ConsoleProblemsDebug ShellResults of running suite

<terminated> C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (10 Aug 2025, 4:29:24 pm) [pid: 1492]

[INFO] --- clean:3.2.0:clean (default-clean) @ Auto_Testing_BstackDemo ---

[INFO] Deleting D:\Learning\Java\Java_Selenium_Projects\target

[INFO] -----

[INFO] BUILD SUCCESS

[INFO] -----

[INFO] Total time: 0.455 s

[INFO] Finished at: 2025-08-10T16:29:26+05:30

[INFO] -----