**Automation Test Engineer Capstone**

**Automation script using Selenium to buy a product successfully on the website.**

1. **Source code:**

**package in.saucedemo.testscripts;**

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

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

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

**import org.testng.annotations.AfterTest;**

**import org.testng.annotations.BeforeClass;**

**import org.testng.annotations.Test;**

**public class Base {**

**ChromeDriver driver;**

**@BeforeClass**

**public void launchApplication()**

**{**

**// 1) Open the browser**

**ChromeOptions options = new ChromeOptions();**

**options.addArguments("--remote-allow-origins=\*");**

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

**// 2) Maximize it**

**driver.manage().window().maximize();**

**// 3) Navigate to application**

**driver.get("https://www.saucedemo.com/");**

**}**

**@Test**

**public void login() {**

**// 4) Login into it**

**driver.findElement(By.*id*("user-name")).sendKeys("standard\_user");**

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

**driver.findElement(By.*id*("login-button")).click();**

**}**

**@Test**

**public void addItem() {**

**// 5) Add item to the cart**

**driver.findElement(By.*xpath*("(//button[contains(@class,'btn btn\_primary btn\_small btn\_inventory')])[1]")).click();**

**}**

**@Test**

**public void addCart() {**

**// 6) Go to the cart**

**driver.findElement(By.*xpath*("//a[contains(@class,'shopping\_cart\_link')]")).click();**

**}**

**@Test**

**public void checkOut() {**

**// 7) Checkout the item**

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

**}**

**@Test**

**public void checkoutinfo() {**

**// 8) Enter the details of the customer**

**driver.findElement(By.*id*("first-name")).sendKeys("Malleswari");**

**driver.findElement(By.*id*("last-name")).sendKeys("Pukkalla");**

**driver.findElement(By.*id*("postal-code")).sendKeys("530043");**

**}**

**@Test**

**public void placeOrder() {**

**// 9) Click on continue button**

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

**}**

**@Test**

**public void orderFinish() {**

**// 10) Click on finish**

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

**}**

**// 11) Close the browser**

**@AfterTest**

**public void closeBrowser()**

**{**

**driver.quit();**

**} }**

1. **Pom.xml file**

**<?xml version="1.0" encoding="UTF-8"?>**

**<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 http://maven.apache.org/xsd/maven-4.0.0.xsd">**

**<modelVersion>4.0.0</modelVersion>**

**<groupId>com.saucedemo</groupId>**

**<artifactId>CapstoneProject</artifactId>**

**<version>0.0.1-SNAPSHOT</version>**

**<name>CapstoneProject</name>**

**<!-- FIXME change it to the project's website -->**

**<url>http://www.example.com</url>**

**<properties>**

**<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>**

**<maven.compiler.source>1.7</maven.compiler.source>**

**<maven.compiler.target>1.7</maven.compiler.target>**

**</properties>**

**<dependencies>**

**<!-- https://mvnrepository.com/artifact/org.testng/testng -->**

**<dependency>**

**<groupId>org.testng</groupId>**

**<artifactId>testng</artifactId>**

**<version>7.7.1</version>**

**<scope>test</scope>**

**</dependency>**

**<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->**

**<dependency>**

**<groupId>org.seleniumhq.selenium</groupId>**

**<artifactId>selenium-java</artifactId>**

**<version>4.8.1</version>**

**</dependency>**

**<!-- https://mvnrepository.com/artifact/org.apache.poi/poi -->**

**<dependency>**

**<groupId>org.apache.poi</groupId>**

**<artifactId>poi</artifactId>**

**<version>5.2.3</version>**

**</dependency>**

**<!-- https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml -->**

**<dependency>**

**<groupId>org.apache.poi</groupId>**

**<artifactId>poi-ooxml</artifactId>**

**<version>5.2.3</version>**

**</dependency>**

**</dependencies>**

**<build>**

**<pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent pom) -->**

**<plugins>**

**<!-- clean lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#clean\_Lifecycle -->**

**<plugin>**

**<artifactId>maven-clean-plugin</artifactId>**

**<version>3.1.0</version>**

**</plugin>**

**<!-- default lifecycle, jar packaging: see https://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin\_bindings\_for\_jar\_packaging -->**

**<plugin>**

**<artifactId>maven-resources-plugin</artifactId>**

**<version>3.0.2</version>**

**</plugin>**

**<plugin>**

**<artifactId>maven-compiler-plugin</artifactId>**

**<version>3.8.0</version>**

**</plugin>**

**<plugin>**

**<artifactId>maven-surefire-plugin</artifactId>**

**<version>2.22.1</version>**

**</plugin>**

**<plugin>**

**<artifactId>maven-jar-plugin</artifactId>**

**<version>3.0.2</version>**

**</plugin>**

**<plugin>**

**<artifactId>maven-install-plugin</artifactId>**

**<version>2.5.2</version>**

**</plugin>**

**<plugin>**

**<artifactId>maven-deploy-plugin</artifactId>**

**<version>2.8.2</version>**

**</plugin>**

**<!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#site\_Lifecycle -->**

**<plugin>**

**<artifactId>maven-site-plugin</artifactId>**

**<version>3.7.1</version>**

**</plugin>**

**<plugin>**

**<artifactId>maven-project-info-reports-plugin</artifactId>**

**<version>3.0.0</version>**

**</plugin>**

**</plugins>**

**</pluginManagement>**

**</build>**

**</project>**