

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_car
t_link')][1]")).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();

} }

```

2. 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>
```