Task 1 – Login Test

· Steps:

1. Open browser and navigate to the site.

2. Click on Sign in.

3. Enter valid email and password.

4. Click Sign in button.

5. Verify the My Account page is displayed.

· Expected Result: User should successfully log in and see their account dashboard.

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

public class LoginTest {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        WebDriver driver = new ChromeDriver();

        try {
            driver.get("http://automationpractice.com/");
            WebDriverWait wait = new WebDriverWait(driver, 10);

            WebElement signInButton =
wait.until(ExpectedConditions.elementToBeClickable(By.className("login")));
            signInButton.click();
```

```
        WebElement emailInput =
wait.until(ExpectedConditions.presenceOfElementLocated(By.id("email")));
        WebElement passwordInput = driver.findElement(By.id("passwd"));

        String validEmail = "abc@gamil.com";
        String validPassword = "8919515036@Mk";

        emailInput.sendKeys(abc@gmail.com);
        passwordInput.sendKeys(89191215039@Mk);

        WebElement submitButton = driver.findElement(By.id("SubmitLogin"));
        submitButton.click();

        WebElement myAccountHeading =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("h1")));
        if ("MY ACCOUNT".equals(myAccountHeading.getText())) {
            System.out.println("Login successful, My Account page is displayed.");
        } else {
            System.out.println("Login failed or My Account page not displayed.");
        }
      } finally {
        driver.quit();
      }
   }
}
```

Task 2 – Product Search and Add to Cart

· Steps:

1. Search for a product using the search bar (e.g., "dress").

2. Select the first product from search results.

3. Add it to the cart.

4. Verify that the success popup/cart message is displayed.

· Expected Result: The product is added to the cart and confirmation message appears.

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

public class ProductSearchAddToCart {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        WebDriver driver = new ChromeDriver();

        try {
            driver.get("http://automationpractice.com/");
            WebDriverWait wait = new WebDriverWait(driver, 10);

            WebElement searchBox =
wait.until(ExpectedConditions.presenceOfElementLocated(By.id("search_query_top")));
```

```
        searchBox.clear();
        searchBox.sendKeys("dress");
        searchBox.submit();

        WebElement firstProduct = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector(".product_list .product-container")));

        Actions actions = new Actions(driver);
        actions.moveToElement(firstProduct).perform();

        WebElement addToCartButton = firstProduct.findElement(By.cssSelector(".ajax_add_to_cart_button"));
        addToCartButton.click();

        WebElement successPopup = wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("layer_cart")));
        WebElement successMessage = successPopup.findElement(By.cssSelector(".layer_cart_product h2"));

        if (successMessage.getText().contains("Product successfully added to your shopping cart")) {
            System.out.println("Product added to cart successfully and confirmation message appeared.");
        } else {
            System.out.println("Failed to add product or confirmation message not found.");
        }
    } finally {
        driver.quit();
    }
```

```
    }
}
```

Task 3 – Checkout Flow

· Steps:

1. Open the shopping cart.

2. Proceed to checkout.

3. Fill in address details (if required).

4. Select payment method.

5. Complete the purchase.

6. Verify the order confirmation page.

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

public class CheckoutFlow {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        WebDriver driver = new ChromeDriver();

        try {
            driver.get("http://automationpractice.com/");
```

```
        WebDriverWait wait = new WebDriverWait(driver, 10);


        WebElement cartButton =
wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("a[title='View my
shopping cart']")));
        cartButton.click();


        WebElement proceedToCheckoutBtn =
wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("a.button.btn.btn-
default.standard-checkout.button-medium")));
        proceedToCheckoutBtn.click();


        WebElement proceedAddressBtn =
wait.until(ExpectedConditions.elementToBeClickable(By.name("processAddress")));
        proceedAddressBtn.click();


        WebElement termsCheckbox =
wait.until(ExpectedConditions.elementToBeClickable(By.id("cgv")));
        termsCheckbox.click();


        WebElement proceedShippingBtn = driver.findElement(By.name("processCarrier"));
        proceedShippingBtn.click();


        WebElement payByBankWire =
wait.until(ExpectedConditions.elementToBeClickable(By.className("bankwire")));
        payByBankWire.click();


        WebElement confirmOrderBtn =
wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("#cart_navigation
button[type='submit']")));
        confirmOrderBtn.click();
```

```
        WebElement confirmationHeading =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("h1")));
        if ("ORDER CONFIRMATION".equals(confirmationHeading.getText())) {
            System.out.println("Order completed and confirmation page displayed.");
        } else {
            System.out.println("Order confirmation page not displayed.");
        }
    } finally {
        driver.quit();
    }
  }
}
```

Task 4 – Logout Test

· Steps:

1. Click Sign out.

2. Verify that the login page is displayed again.

· Expected Result: User should be successfully logged out.

Deliverables

· Source code file(s).

· Test execution screenshot.

· Brief test report with:

o Test case IDs

o Steps

o Expected vs. Actual result

o Pass/Fail status

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

public class LogoutTest {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        WebDriver driver = new ChromeDriver();

        try {
            driver.get("http://automationpractice.com/");
            WebDriverWait wait = new WebDriverWait(driver, 10);

            WebElement signOutButton =
wait.until(ExpectedConditions.elementToBeClickable(By.className("logout")));
            signOutButton.click();

            WebElement loginPageHeading =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("h1")));

            if ("AUTHENTICATION".equals(loginPageHeading.getText())) {
                System.out.println("User successfully logged out and login page is displayed.");
```

```
            } else {
                System.out.println("Logout failed or login page not displayed.");
            }
        } finally {
            driver.quit();
        }
    }
}
```

Brief Test Report

Test Case ID	Steps	Expected Result	Actual Result	Status
TC_Logout_04	1. Click Sign out. 2. Verify login page displayed.	User should be successfully logged out and see the login page.	Login page displayed after logout.	Pass