

Name: Krushna Gawas

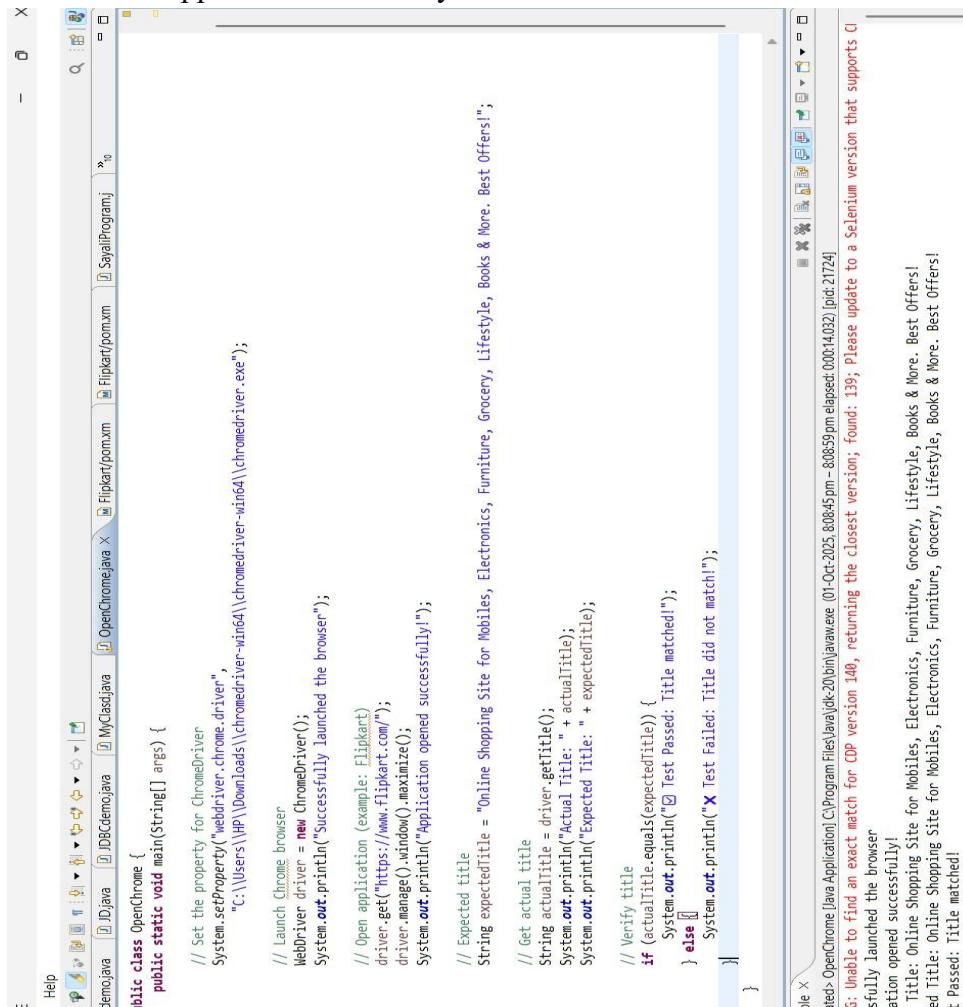
Roll No: B-218(B-1 Batch)

Subject: STQA Laboratory

Subject-In-Charge: Prof.Dipali Bhusari

Practical: 05

Aim: Apply automation testing using Selenium for launch any Internet browser of any Ecommerce application also verify title.



The screenshot shows the Eclipse IDE interface with a Java project named "eclipse-e-workspace - Flipkart". The code editor displays a main method for launching a Chrome browser and verifying its title:

```
public static void main(String[] args) {
    // Set the property for ChromeDriver
    System.setProperty("webdriver.chrome.driver",
        "C:\\Users\\HP\\Downloads\\chromedriver-win64\\chromedriver.exe");
    // Launch Chrome browser
    WebDriver driver = new ChromeDriver();
    System.out.println("Successfully launched the browser");
    // Open application (example: Flipkart)
    driver.get("https://www.flipkart.com/");
    driver.manage().window().maximize();
    System.out.println("Application opened successfully!");
    // Expected title
    String expectedTitle = "Online Shopping Site for Mobiles, Electronics, Furniture, Grocery, Lifestyle, Books & More. Best Offers!";
    // Get actual title
    String actualTitle = driver.getTitle();
    System.out.println("Actual Title: " + actualTitle);
    System.out.println("Expected title: " + expectedTitle);
    // Verify title
    if (actualTitle.equals(expectedTitle)) {
        System.out.println("Test Passed: title matched!");
    } else {
        System.out.println("X Test Failed: title did not match!");
    }
}
```

Console X
terminated> OpenChrome.java [Application] C:\Program Files\Java\jdk20\bin\javaw.exe [01-Oct-2025 08:08:59 pm - 80889pm elapsed: 000:14:03] [pid:2174]
WARNING: Unable to find an exact match for CDP version 140, returning the closest version; found: 139; Please update to a Selenium version that supports CDP
Successfully launched the browser
Application opened successfully!
Actual Title: Online Shopping Site for Mobiles, Electronics, Furniture, Grocery, Lifestyle, Books & More. Best Offers!
Expected Title: Online Shopping Site for Mobiles, Electronics, Furniture, Grocery, Lifestyle, Books & More. Best Offers!
X Test Failed: Title matched!

application.

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The screenshot shows the Eclipse IDE interface with the title "eclipse-workspace - Flipkart/pom.xml - Eclipse IDE". The menu bar includes File, Edit, Navigate, Search, Project, Run, Design, Window, Help. The toolbar has various icons for file operations like Open, Save, Cut, Copy, Paste, Find, etc. The left sidebar contains a Package Explorer with a tree view of the project structure:

- AAA
- Demo
- Flipkart
 - src/main/java
 - JDBCdemo.java
 - JD.java
 - MyClass.java
 - src/main/resources
 - src/test/java
 - com
 - OpenChrome.java
 - src/test/resources
 - Maven Dependencies
 - JRE System Library [jdk-20]
 - target
 - pom.xml
 - src
 - JD
 - MyDemo
 - Sayali

The main editor area displays the content of the pom.xml file:

```
1<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema" xsi:schemaLocation="http://maven.apache.org/xsd/maven-4.0.0.xsd">
2<modelVersion>4.0.0</modelVersion>
3<groupId>Flipkart</groupId>
4<artifactId>Flipkart</artifactId>
5<version>0.0.1-SNAPSHOT</version>
6<name>Homepage</name>
7<dependencies>
8<dependency>
9<groupId>org.seleniumhq.selenium</groupId>
10<artifactId>selenium-java</artifactId>
11<version>4.35.0</version>
12</dependency>
13</dependencies>
14</project>
15
```

The status bar at the bottom shows tabs for Overview, Dependencies, Dependency Hierarchy, Effective POM, pom.xml, Writable, Insert, and a timestamp of 1:1:0.

OUTPUT:

The screenshot shows a web browser window with the following details:

- Address Bar:** flipkart
- Search Bar:** Search for Products, Brands and More
- Left Sidebar:** A vertical sidebar with the text "Chrome is being controlled by automated test software."
- Top Right:** Browser controls (Minimize, Maximize, Close) and a star icon.
- Content Area:**
 - Flipkart Logo:** Flipkart Explore Plus
 - Search Bar:** Search for Products, Brands and More
 - Navigation:** Home, Categories (Minutes, Mobiles & Tablets, TVs & Appliances, Electronics, Fashion, Home & Kitchen, Beauty & toys, Furniture, Flight Bookings, Grocery), Login, Cart, Become a Seller.
 - Banners:**
 - Designer sofas Carlton London, mintwud & more From ₹6,499**
 - THE BIG BILLION DAYS**
 - KAMS BANK | ICICI Bank**
 - supermoney**
 - Product Listings:**
 - OPPO K3s**: 48MP Camera, 30W Super VOOC, 5000mAh battery
 - realme P3x**: Segment's Best 4000mAh battery
 - Vivo T1 Pro**: 50MP Camera, 3X Telephoto Zoom, Industry's Best
 - vivo T4 Lite**: Get It! 4000mAh
 - Motorola G6**: 48MP Camera, 5000mAh battery
 - Text:** Best deals on smartphones

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Practical: 06

Aim: Implement functional testing using selenium for verifying the data flow of login module functionality.



The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with packages like AAA, Demo, and Flipkart, and source files like OpenChrome.java, com.Flipkart.Demo, and Main.java.
- Code Editor:** Displays the Java code for a Selenium test case. The code initializes a ChromeDriver, opens a URL, finds an element by XPath, sends keys, and closes the browser.
- Console:** Shows the terminal output of the executed test case, including logs about driver launches, element clicks, and key presses.

```
1 package com;
2 import org.openqa.selenium.By;
3
4 public class OpenChrome {
5     public static void main(String[] args) {
6         // Set the property for ChromeDriver
7         System.setProperty("webdriver.chrome.driver",
8             "C:\\Users\\HP\\Downloads\\chromedriver-win64\\chromedriver.exe");
9
10        // Launch Chrome browser
11        WebDriver driver = new ChromeDriver();
12        System.out.println("Successfully launched the browser");
13
14        // Open application
15        driver.get("https://www.flipkart.com/");
16        System.out.println("Opened application");
17
18        // Example: Enter mobile number (if login page opens)
19        System.out.println("Clicked on the element");
20
21        // Click on element (change location if not working)
22        driver.findElement(By.xpath("//[@class='HgNpN _3n4_BX\"]")).click();
23
24        // Example: Enter mobile number (if login page opens)
25        driver.findElement(By.xpath("//input[@class='r4tWl BV-Dqf']")).sendKeys("8275730727");
26
27        // Close browser
28
29        // driver.quit();
```

Console Output (Terminal Log):

```
Sept 30, 2025 9:10:58 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 140, returning the closest version; found: 139; Please update to a newer version
Successfully launched the browser
Successfully launched the application
Clicked on the element
```

eclipse-workspace - Flipkart/pom.xml - Eclipse IDE

File Edit Navigate Search Project Run Design Window Help

AAA
Demo
Flipkart

src/main/java
src/main/resources
src/test/java
com
OpenChrome.java

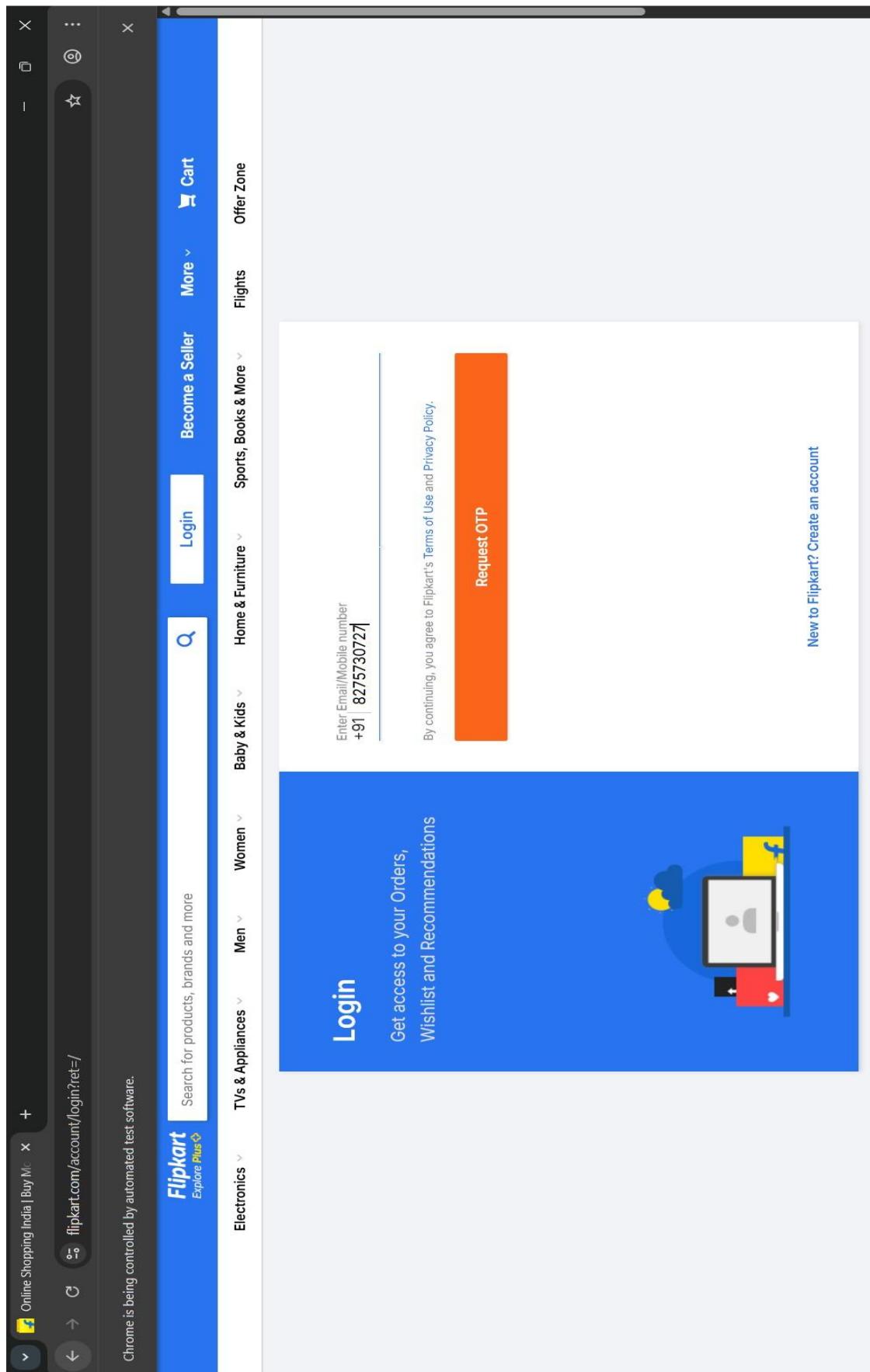
src/test/resources
 Maven Dependencies
 JRE System Library [jdk-20]
src
target

pom.xml
 JDBC
 MyDemo
 Sayali

1<project xmlns="http://maven.apache.org/maven-4.0.0.xsd (xsi:schemaLocation with catalog)
2 <modelVersion>4.0.0</modelVersion>
3 <groupId>Flipkart</groupId>
4 <artifactId>Flipkart</artifactId>
5 <version>0.0.1-SNAPSHOT</version>
6 <name>Homepage</name>
7 <dependencies>
8 <dependency>
9 <groupId>org.seleniumhq.selenium</groupId>
10 <artifactId>selenium-java</artifactId>
11 <version>4.35.0</version>
12 </dependency>
13 </dependencies>
14 </project>
15

Overview Dependencies Dependency Hierarchy Effective POM pom.xml Writable Insert 1:1:0

OUTPUT:



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Practical: 07

Aim: Apply automation testing to understand Exception handling

The screenshot shows the Eclipse IDE interface with a Java project named "OpenChromeJava". The code in the editor is as follows:

```
1 package com;
2
3 import org.openqa.selenium.By;
4
5
6 public class OpenChrome {
7     public static void main(String[] args) {
8         // Set the property for ChromeDriver
9         System.setProperty("webdriver.chrome.driver",
10             "C:\\Users\\HP\\Downloads\\chromedriver-win64\\chromedriver.exe");
11
12         // Launch Chrome browser
13         WebDriver driver = new ChromeDriver();
14
15         target = new WebDriverWait(driver, 20);
16         System.out.println("Successfully launched the browser");
17
18         try {
19             // Open application
20             driver.get("https://www.amazon.com/");
21             System.out.println("Successfully launched the Application");
22
23             // Click on "Search box" and enter text
24             driver.findElement(By.id("twotabsearchtextbox")).sendKeys("Mobiles");
25             driver.findElement(By.id("nav-search-submit-button")).click();
26             System.out.println("Searched for Mobiles");
27
28         } catch (Exception e) {
29             System.out.println("Element not found or error: " + e.getMessage());
30         }
31     }
32 }
```

The terminal window shows the execution of the code and the resulting output:

```
<terminated> OpenChrome [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (30-Sep-2025 8:24:54 pm - 8:24:59 pm elapsed: 00:00:05 [pid:15704])
Sept 30, 2025 8:24:56 PM org.openqa.selenium.devtools.CdpVersionBinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 140, returning the closest version; found: 139; Please update to a newer version
Successfully launched the Application
Element not found or error: no such element: Unable to locate element: {"method":"css selector","selector":"#twotabsearchtextbox"
(Session info: chrome=140.0.7339.288)
For documentation on this error, please visit: https://www.selenium.dev/documentation/webdriver/troubleshooting/errors#no-such-element-error
```

eclipse-workspace - Flipkart/pom.xml - Eclipse IDE

File Edit Navigate Search Project Run Design Window Help

Package Explorer JDJava JDBCdemojava MyClassjava OpenChrome.java Flipkart/pom.xml Flipkart/pomxml day27_09.java day27_09.java

AAA
Demo
Flipkart
src/main/java
src/main/resources
src/test/java
com
OpenChrome.java
src/test/resources
Maven Dependencies
JRE System Library [jdk-20]
src
target
pom.xml
JDBC
MyDemo
Sajali

`1<project xmlns="http://maven.apache.org/xsd/maven-4.0.0.xsd (xi:schemaLocation with catalog)
2 <modelVersion>4.0.0</modelVersion>
3 <groupId>Flipkart</groupId>
4 <artifactId>Flipkart</artifactId>
5 <version>0.0.1-SNAPSHOT</version>
6 <name>Homepage</name>
7<dependencies>
8<dependency>
9 <groupId>org.seleniumhq.selenium</groupId>
10 <artifactId>selenium-java</artifactId>
11 <version>4.35.0</version>
12 </dependency>
13 </dependencies>
14 </project>
15`

Overview Dependencies Dependency Hierarchy Effective POM pom.xml Writable Insert 1:1:0

OUTPUT:

