E - Library Management System

<u>Selenium</u>

1. Registration

Source Code:

RegisterTestRunner.java

```
package com.elms.test;
import org.openga.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
public class RegisterTestRunner {
        @Test
        public void openRegister() {
                WebDriver driverInsert;
                System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
                driverInsert = new ChromeDriver();
                driverInsert.navigate().to("http://localhost:4200/");
                driverInsert.findElement(By.id("register")).click();
                System.out.println(driverInsert.getTitle());
                driverInsert.findElement(By.id("userName")).sendKeys("Alex");
                driverInsert.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
                driverInsert.findElement(By.id("mobileNumber")).sendKeys("7894561230");
                driverInsert.findElement(By.id("userType")).sendKeys("user");
                driverInsert.findElement(By.id("address")).sendKeys("salem");
                driverInsert.findElement(By.id("password")).sendKeys("1414");
                driverInsert.findElement(By.name("registersoon")).click();
                System.out.println(driverInsert.getTitle());
        public static void main(String[] args) {
                RegisterTestRunner obj = new RegisterTestRunner();
                obj.openRegister();
        }
```

```
Eclipse_Workspace - SeleniumUnitTestingProject/src/com/elms/test/RegisterTestRunner.java - Eclipse IDE
  <u>File Edit Source Refactor Navigate Search Project Run Window Help</u>
   Q
  🔋 Package Ex... 🗴 🖺 Project Expl... 📅 🗖 🗓 CMSTestRunnerDelete.java 🔑 RegisterTestRunner.java 🗴 🗓 LoginTestRunner.java
                                                                                                                                                                                                                                                                                                                                                                                                                                       - -
                                             package com.elms.test;
   > 📂 MyWebProject1
> 📂 MyWebProject20
                                                                                          38 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.Chrome.ChromeDriver;
6 import org.testng.annotations.Test;
      ProblemSolving
      SB-CMS [boot] [devtools]
                                                                                                   public class RegisterTestRunner {
      SB-EMS [boot] [devtools]
                                                                                                      public void openRegister() {
    WebDriver driverInsert;
    System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
    driverInsert = new ChromeDriver();
    driverInsert.navigate().to("http://localhost:4200/");
    driverInsert.findElement(By.id("register")).click();
    System.out.println(driverInsert.getTitle());
      SB-LMS [boot] [devtools]
      SB-SLP [boot] [devtools]
SB-VMS [boot] [devtools]
      SeleniumUnitTestingProject
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             > D LoginTestRunner.java
> D RegisterTestRunner.java
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    I CMSTestRunnerDelete.java
    I CMSTestRunnerInsert.java

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WARNIUMG: Unable to find an exact match for CDP version 121, returning the
Elibrary
ELibrary
PASSED: openRegister
                     CMSTestRunnerUpdate.java
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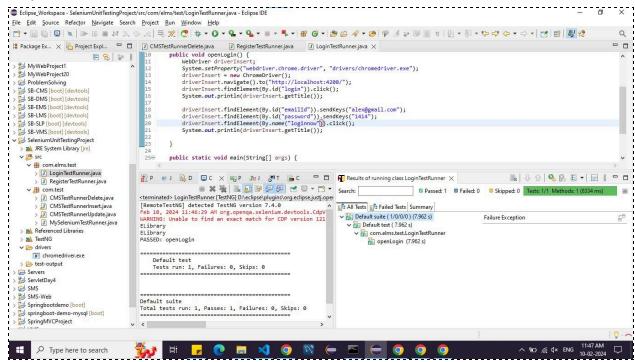
✓ i com.elms.test.RegisterTestRunner

                                                                                                     Default test
Tests run: 1, Failures: 0, Skips: 0
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SMS-Web
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```

2. Login

LoginTestRunner.java

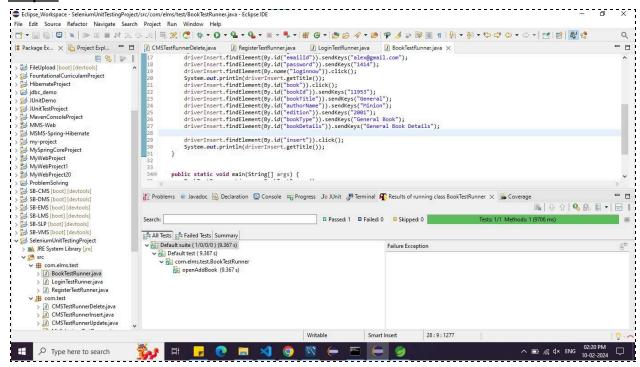
```
package com.elms.test;
import org.openga.selenium.By;
import org.openga.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
public class LoginTestRunner {
        @Test
        public void openLogin() {
                WebDriver driverInsert;
                System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
                driverInsert = new ChromeDriver();
                driverInsert.navigate().to("http://localhost:4200/");
                driverInsert.findElement(By.id("login")).click();
                System.out.println(driverInsert.getTitle());
                driverInsert.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
                driverInsert.findElement(By.id("password")).sendKeys("1414");
                driverInsert.findElement(By.name("loginnow")).click();
                System.out.println(driverInsert.getTitle());
        public static void main(String[] args) {
                LoginTestRunner obj = new LoginTestRunner();
                obj.openLogin();
        }
```



3. Book

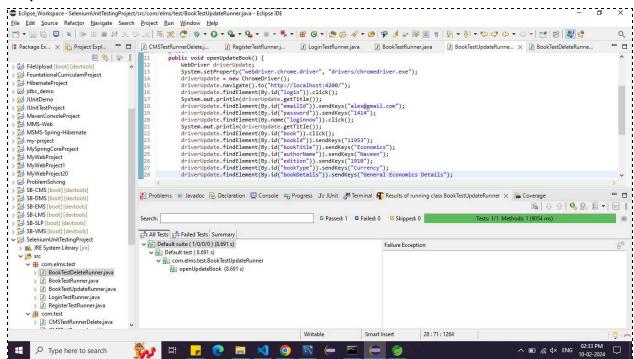
BookTestInsertRunner.java

```
package com.elms.test;
import org.openga.selenium.By;
import org.openga.selenium.WebDriver;
import org.openga.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
public class BookTestRunner {
        @Test
        public void openAddBook() {
                WebDriver driverInsert;
                System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
                driverInsert = new ChromeDriver();
                driverInsert.navigate().to("http://localhost:4200/");
                driverInsert.findElement(By.id("login")).click();
                System.out.println(driverInsert.getTitle());
                driverInsert.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
                driverInsert.findElement(By.id("password")).sendKeys("1414");
                driverInsert.findElement(By.name("loginnow")).click();
                System.out.println(driverInsert.getTitle());
                driverInsert.findElement(By.id("book")).click();
                driverInsert.findElement(By.id("bookld")).sendKeys("11953");
                driverInsert.findElement(By.id("bookTitle")).sendKeys("General");
                driverInsert.findElement(By.id("authorName")).sendKeys("Minion");
                driverInsert.findElement(By.id("edition")).sendKeys("2001");
                driverInsert.findElement(By.id("bookType")).sendKeys("General Book");
```



BookTestUpdateRunner.java

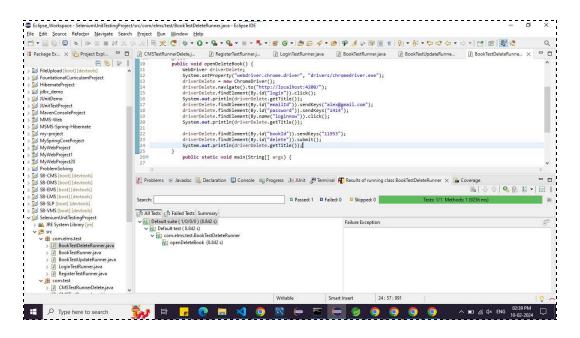
```
driverUpdate.findElement(By.id("login")).click();
        System.out.println(driverUpdate.getTitle());
        driverUpdate.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
        driverUpdate.findElement(By.id("password")).sendKeys("1414");
        driverUpdate.findElement(By.name("loginnow")).click();
        System.out.println(driverUpdate.getTitle());
        driverUpdate.findElement(By.id("book")).click();
        driverUpdate.findElement(By.id("bookld")).sendKeys("11953");
        driverUpdate.findElement(By.id("bookTitle")).sendKeys("Economics");
        driverUpdate.findElement(By.id("authorName")).sendKeys("Naveen");
        driverUpdate.findElement(By.id("edition")).sendKeys("1910");
        driverUpdate.findElement(By.id("bookType")).sendKeys("Currency");
        driverUpdate.findElement(By.id("bookDetails")).sendKeys("General Economics Details");
        driverUpdate.findElement(By.id("insert")).click();
        System.out.println(driverUpdate.getTitle());
public static void main(String[] args) {
        BookTestUpdateRunner obj = new BookTestUpdateRunner();
        obj.openUpdateBook();
```



BookTestDeleteRunner.java

```
package com.elms.test;
import org.openqa.selenium.By;
import org.openga.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
public class BookTestDeleteRunner {
                @Test
                public void openDeleteBook() {
                         WebDriver driverDelete:
                         System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
                         driverDelete = new ChromeDriver();
                         driverDelete.navigate().to("http://localhost:4200/");
                         driverDelete.findElement(By.id("login")).click();
                         System.out.println(driverDelete.getTitle());
                         driverDelete.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
                         driverDelete.findElement(By.id("password")).sendKeys("1414");
                         driverDelete.findElement(By.name("loginnow")).click();
                         System.out.println(driverDelete.getTitle());
                         driverDelete.findElement(By.id("bookld")).sendKeys("11953");
                         driverDelete.findElement(By.id("delete")).submit();
                         System.out.println(driverDelete.getTitle());
                }
                         public static void main(String[] args) {
                                 BookTestDeleteRunner obj = new BookTestDeleteRunner();
                                 obj.openDeleteBook();
                        }
```

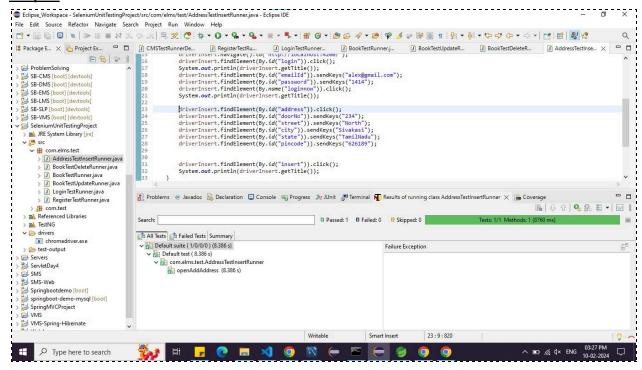
Output:



4. Address

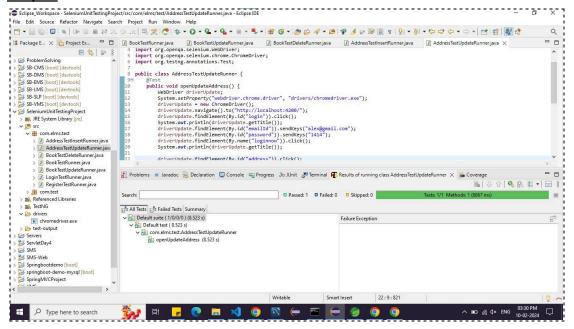
AddressTestInsertRunner.java

```
package com.elms.test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
public class AddressTestInsertRunner {
        public void openAddAddress() {
                WebDriver driverInsert;
                System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
                driverInsert = new ChromeDriver();
                driverInsert.navigate().to("http://localhost:4200/");
                driverInsert.findElement(By.id("login")).click();
                System.out.println(driverInsert.getTitle());
                driverInsert.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
                driverInsert.findElement(By.id("password")).sendKeys("1414");
                driverInsert.findElement(By.name("loginnow")).click();
                System.out.println(driverInsert.getTitle());
                driverInsert.findElement(By.id("address")).click();
                driverInsert.findElement(By.id("doorNo")).sendKeys("234");
                driverInsert.findElement(By.id("street")).sendKeys("North");
                driverInsert.findElement(By.id("city")).sendKeys("Sivakasi");
                driverInsert.findElement(By.id("state")).sendKeys("TamilNadu");
                driverInsert.findElement(By.id("pincode")).sendKeys("626189");
                driverInsert.findElement(By.id("insert")).click();
                System.out.println(driverInsert.getTitle());
        }
        public static void main(String[] args) {
                AddressTestInsertRunner obj = new AddressTestInsertRunner();
                obj.openAddAddress();
        }
```

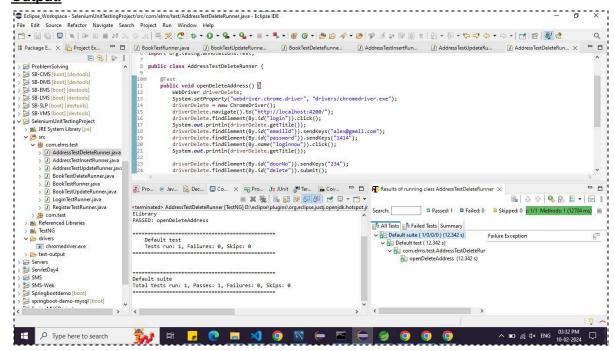


AddressTestUpdateRunner.java

```
package com.elms.test;
import org.openga.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
public class AddressTestUpdateRunner {
        @Test
        public void openUpdateAddress() {
               WebDriver driverUpdate;
                System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
                driverUpdate = new ChromeDriver();
                driverUpdate.navigate().to("http://localhost:4200/");
                driverUpdate.findElement(By.id("login")).click();
                System.out.println(driverUpdate.getTitle());
                driverUpdate.findElement(By.id("emailId")).sendKeys("alex@gmail.com");
                driverUpdate.findElement(By.id("password")).sendKeys("1414");
                driverUpdate.findElement(By.name("loginnow")).click();
                System.out.println(driverUpdate.getTitle());
                driverUpdate.findElement(By.id("address")).click();
                driverUpdate.findElement(By.id("doorNo")).sendKeys("234");
                driverUpdate.findElement(By.id("street")).sendKeys("East");
                driverUpdate.findElement(By.id("city")).sendKeys("Rajapalayam");
                driverUpdate.findElement(By.id("state")).sendKeys("TamilNadu");
                driverUpdate.findElement(By.id("pincode")).sendKeys("626119");
```



AddressTestDeleteRunner.java



It ends here... Thank you...!