

E - Library Management System

Selenium

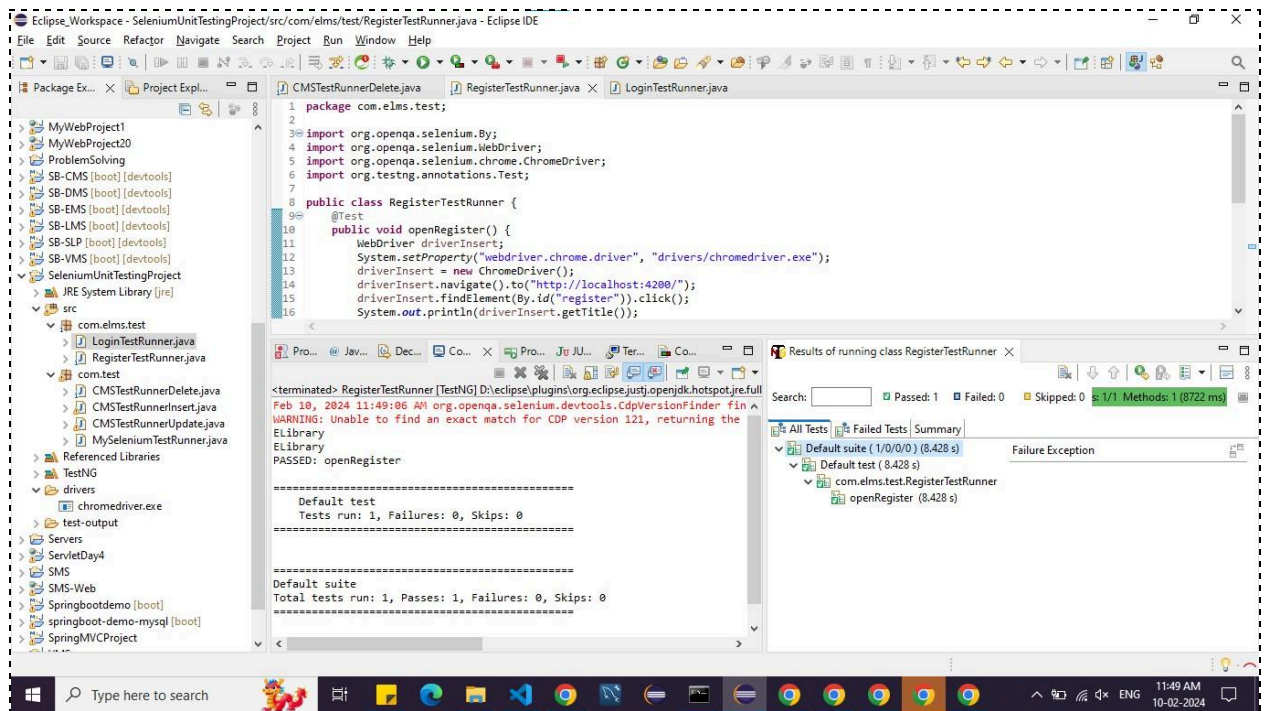
1. Registration

Source Code:

RegisterTestRunner.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 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();
    }
}
```

Output:

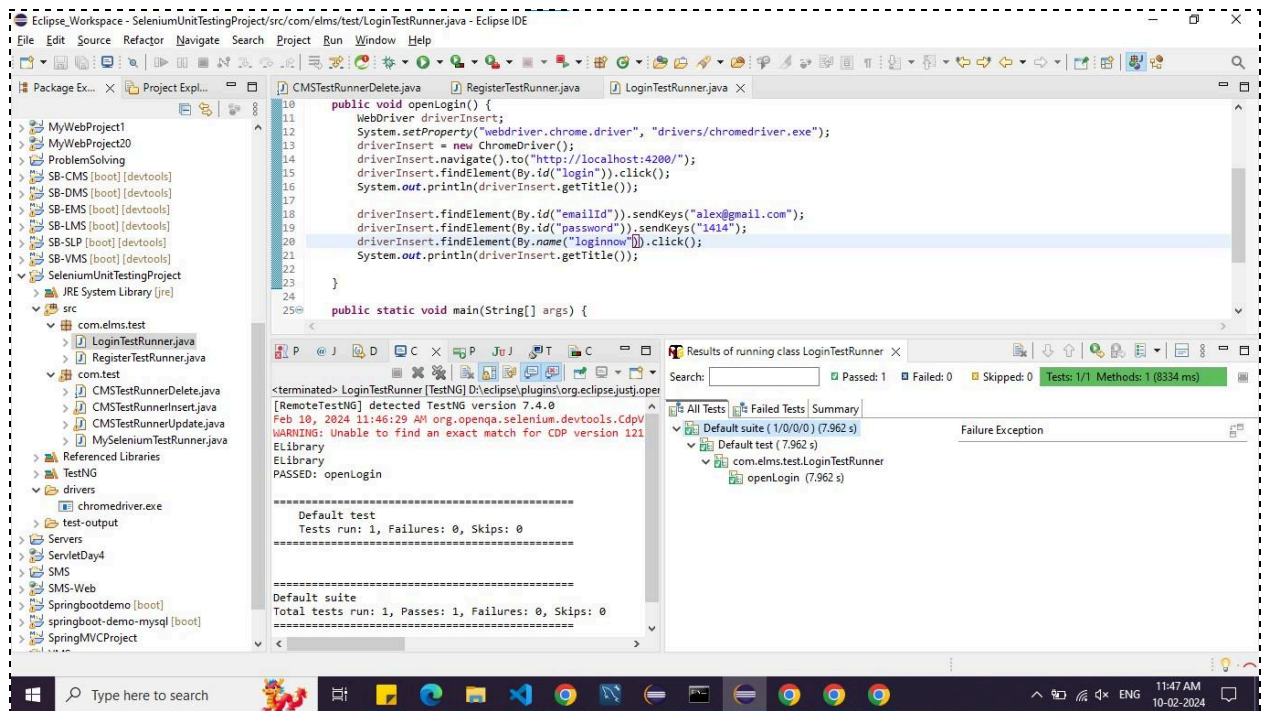


2. Login

LoginTestRunner.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 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();
    }
}
```

Output:



3. Book

BookTestInsertRunner.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 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("bookId")).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");
    }
}
```

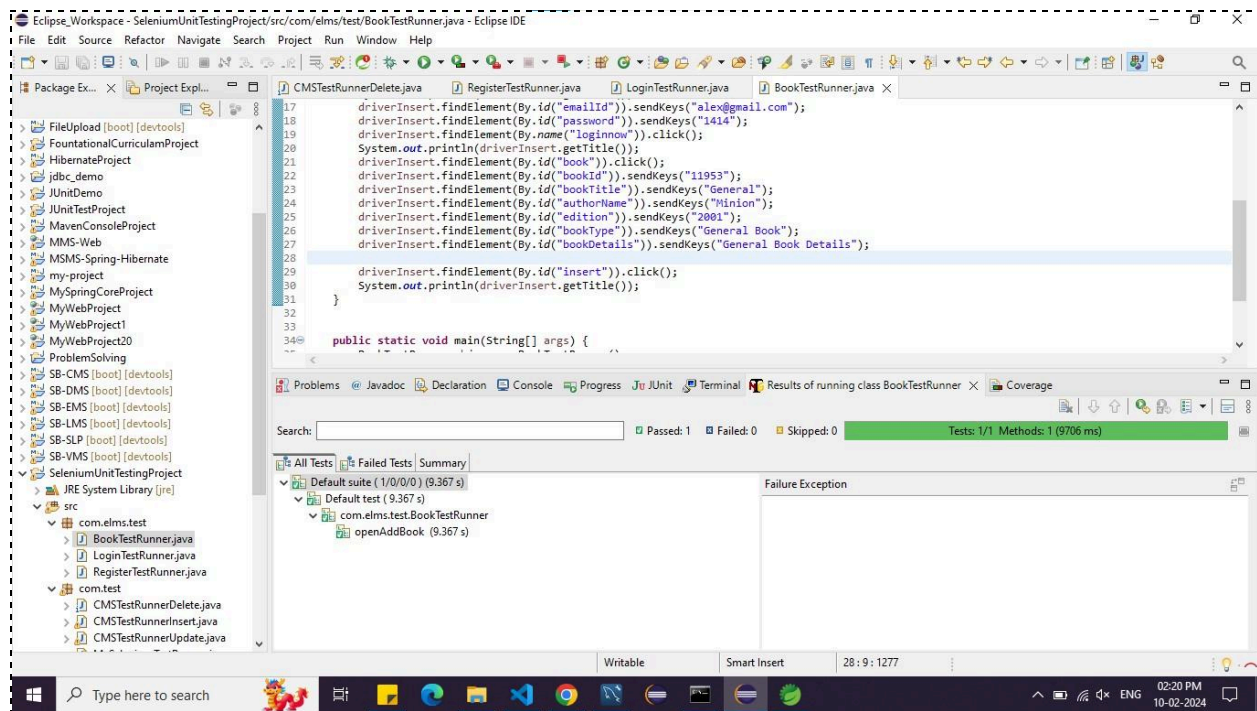
```

        driverInsert.findElement(By.id("bookDetails")).sendKeys("General Book Details");

        driverInsert.findElement(By.id("insert")).click();
        System.out.println(driverInsert.getTitle());
    }
    public static void main(String[] args) {
        BookTestRunner obj = new BookTestRunner();
        obj.openAddBook();
    }
}

```

Output:



BookTestUpdateRunner.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 BookTestUpdateRunner {
    @Test
    public void openUpdateBook() {
        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("book")).click();
        driverUpdate.findElement(By.id("bookId")).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();
    }
}

```

Output:

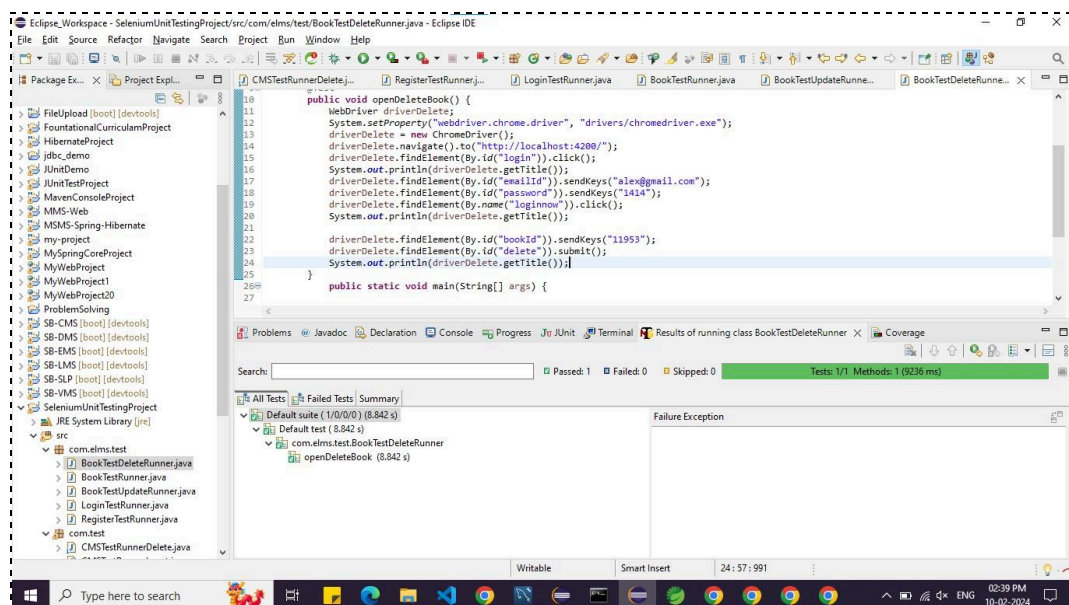
The screenshot shows the Eclipse IDE interface. The main editor window displays the Java code for `BookTestUpdateRunner.java`, which includes the `openUpdateBook()` method and the `main` method. The bottom console window shows the test results for the class `BookTestUpdateRunner`. The results indicate that the test passed successfully, with a summary of 'Tests: 1/1 Methods: 1 (9054 ms)'. The left sidebar shows the project structure, with the `com.elms.test` package selected.

BookTestDeleteRunner.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 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("bookId")).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

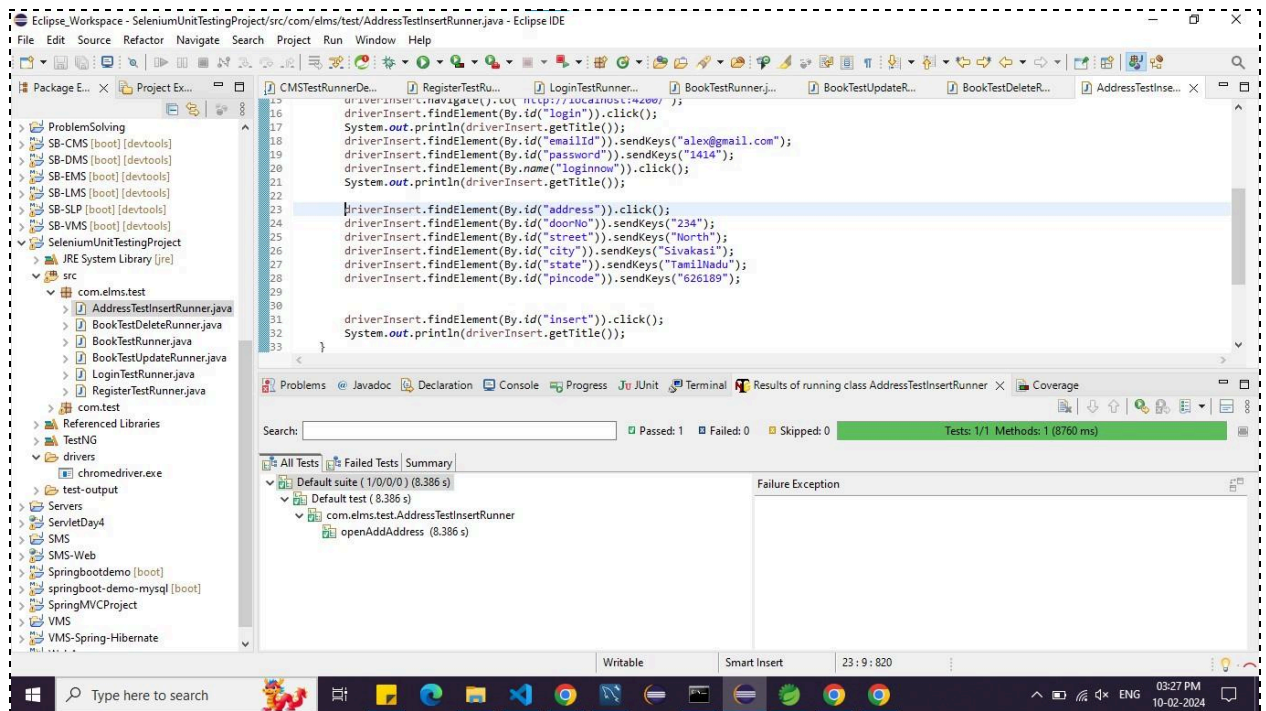
AddressTestInsertRunner.java

```
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 {
    @Test
    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();
    }
}
```

Output:



AddressTestUpdateRunner.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 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");
    }
}
```



```

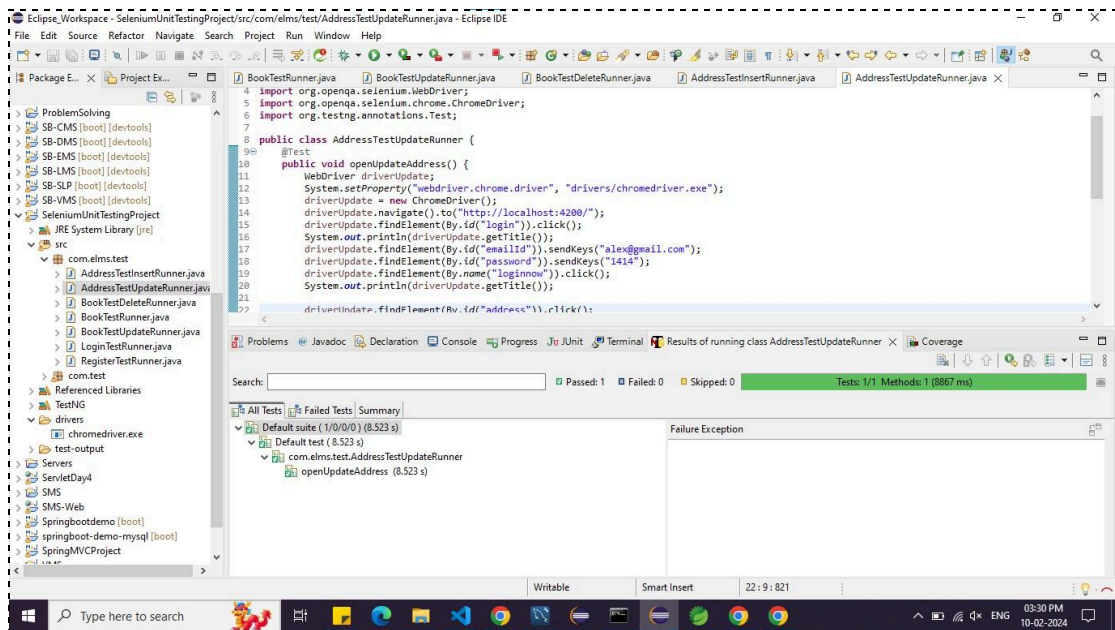
        driverUpdate.findElement(By.id("update")).click();
        System.out.println(driverUpdate.getTitle());

    }

    public static void main(String[] args) {
        AddressTestUpdateRunner obj = new AddressTestUpdateRunner();
        obj.openUpdateAddress();
    }
}

```

Output:



AddressTestDeleteRunner.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 AddressTestDeleteRunner {
    @Test
    public void openDeleteAddress() {
        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");
    }
}

```

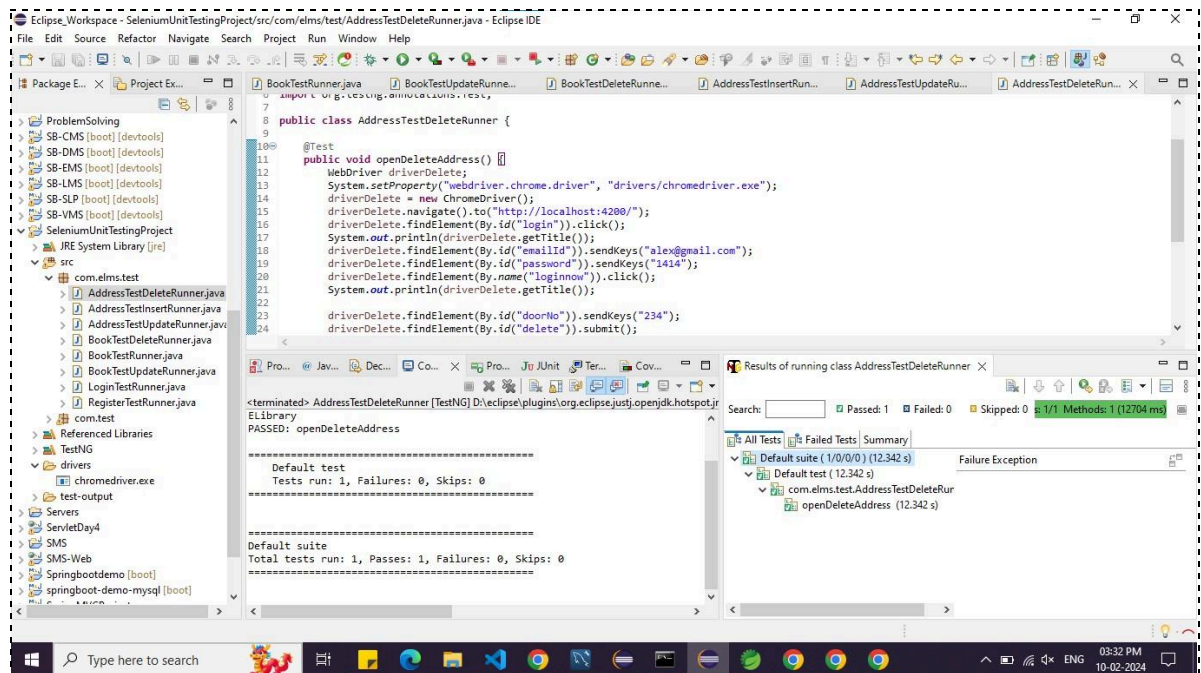
```

        driverDelete.findElement(By.name("loginnow")).click();
        System.out.println(driverDelete.getTitle());
        driverDelete.findElement(By.id("doorNo")).sendKeys("234");
        driverDelete.findElement(By.id("delete")).submit();
        System.out.println(driverDelete.getTitle());
    }

    public static void main(String[] args) {
        AddressTestDeleteRunner obj = new AddressTestDeleteRunner();
        obj.openDeleteAddress();
    }
}

```

Output:



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