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**Task :** Write the Automated Test cases by using Selenium for your application.

**Screenshots :**

- **Load Application :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

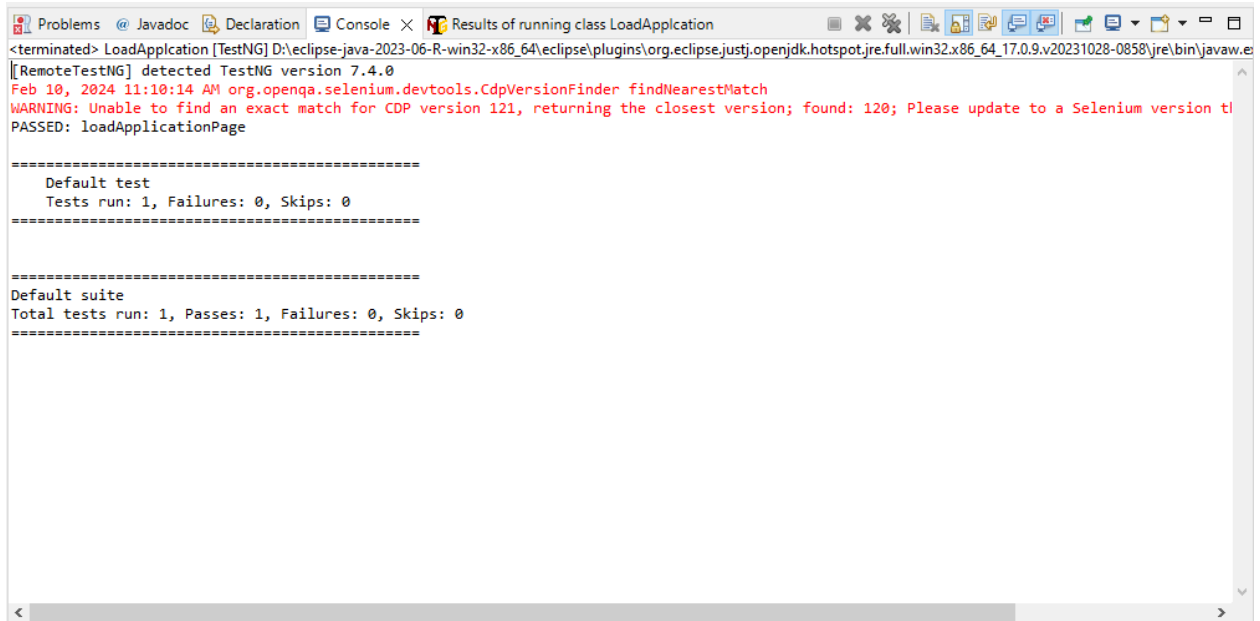
public class LoadApplication {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Close the Browser
    @AfterClass
    public void close() {
        driver.quit();
        driver.close();
    }
}
```

## Output :



The screenshot shows the Eclipse IDE's console window with the title "Results of running class LoadApplication". The output text is as follows:

```
<terminated> LoadApplication [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe
[[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 11:10:14 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version that supports CDP version 121
PASSED: loadApplicationPage

=====
      Default test
      Tests run: 1, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====
```

Search:  Passed: 1 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 1 (4521 ms)

All Tests	Failed Tests	Summary
✓		Default suite ( 1/0/0/0 ) (1.611 s)
✓		Default test ( 1.611 s)
✓		com.application.seleniumtest.LoadApplication
		loadApplicationPage (1.611 s)

Failure Exception

### • Registration for User(Student):

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
```

```

import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class RegistrationStudent {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    //Register for User(student)
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click SignUp for Register
    @Test
    public void openSignUpPage() {
        driver.findElement(By.className("create_acc")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Click Student for Register
    @Test
    public void searchStudentSignUp() {
        driver.findElement(By.className("detail_3")).get(0).click();
        System.out.println(driver.getTitle());
    }

    //Enter Inputs to SignUp for User(student)
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("username")).sendKeys("Pooja");
        driver.findElement(By.name("usergender")).sendKeys("Female");
        driver.findElement(By.name("userprofession")).sendKeys("EEE");
        driver.findElement(By.name("pwd")).sendKeys("Pooja@123");

        driver.findElement(By.name("useremail")).sendKeys("Pooja11946@gmail.com");
        driver.findElement(By.name("usermobile")).sendKeys("985231406");
        driver.findElement(By.name("useraddress")).sendKeys("East");

        driver.findElement(By.name("ConfirmPassword")).sendKeys("Pooja@123");
        driver.findElement(By.name("remember")).get(0).click();
        driver.findElement(By.className("btnRegister")).get(0).click();
        System.out.println(driver.getTitle());
    }
}

```

```

        // Close the Browser
//      @AfterClass
//      public void close() {
//          driver.quit();
//          driver.close();
//      }
}

```

## Output :

```

<terminated> RegistrationStudent [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\jav
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 11:13:01 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchTutorial
PASSED: openSignUpPage
PASSED: searchStudentSignUp
PASSED: loadApplicationPage

```

```

=====
      Default test
      Tests run: 4, Failures: 0, Skips: 0
=====

```

```

=====
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====

```

Search:  Passed: 4 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 4 (5075 ms)

All Tests	Failed Tests	Summary
✓  Default suite (4/0/0/0) (1.77 s) <div>Failure Exception</div>		
✓  Default test (1.77 s) <div>             ✓  com.application.seleniumtest.RegistrationStudent             <div>  loadApplicationPage (1.069 s)                openSignUpPage (0.095 s)                searchStudentSignUp (0.087 s)                searchTutorial (0.519 s)             </div> </div>		

### Database :

- After Register successfully for user(Student)

	email	address	gender	mobile	password	profession	userid	username
▶	Pooja11946@gmail.com	East	Female	985231406	Pooja@123	EEE	100	Pooja

### • Registration User(Teacher) :

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class RegistrationTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    //Register for User(teacher)
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click SignUp button for Register
    @Test
    public void openSignUpPage() {
        driver.findElement(By.className("create_acc")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher for Register
    @Test
    public void searchTeacherSignUp() {
        driver.findElement(By.className("detail_2")).get(0).click();
        System.out.println(driver.getTitle());
    }
}
```

```

//Enter Inputs to SignUp for User(teacher)
@Test
public void searchTutorial() {
    driver.findElement(By.name("teachername")).sendKeys("Anith");

driver.findElement(By.name("teacheremail")).sendKeys("anith1238@gmail.com");
    driver.findElement(By.name("teachergender")).sendKeys("Female");
    driver.findElement(By.name("teachermobile")).sendKeys("9875234106");
    driver.findElement(By.name("pwd")).sendKeys("Anitha@11946");
    driver.findElement(By.name("institutionname")).sendKeys("VVE");
    driver.findElement(By.name("department")).sendKeys("EEE");
    driver.findElement(By.name("experience")).sendKeys("3");
    driver.findElement(By.name("degreecompleted")).sendKeys("PHD");
    driver.findElement(By.name("ConfirmPassword")).sendKeys("Anitha@11946");
    driver.findElements(By.name("remember")).get(0).click();
    driver.findElements(By.className("btnRegister")).get(0).click();
    System.out.println(driver.getTitle());
}

// Close the Browser
// @AfterClass
// public void close() {
//     driver.quit();
//     driver.close();
// }
}

```

**Output :**

```
Problems @ Javadoc Declaration Console X Results of running class RegistrationTeacher
<terminated> RegistrationTeacher [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\jav
[[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 11:16:18 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: loadApplicationPage
PASSED: searchTutorial
PASSED: openSignUpPage
PASSED: searchTeacherSignUp

=====
      Default test
      Tests run: 4, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====
```

Search:  Passed: 4 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 4 (5885 ms)

All Tests	Failed Tests	Summary
▼ Default suite ( 4/0/0/0 ) (2.084 s)		
▼ Default test ( 2.084 s)		
▼ com.application.seleniumtest.RegistrationTeacher		
loadApplicationPage (1.186 s)		
openSignUpPage (0.12 s)		
searchTeacherSignUp (0.082 s)		
searchTutorial (0.696 s)		

**Database :**

- After Register successfully for user(Teacher)

aniith1238@gmail.com	PHD	EEE	3	Female	VVE	9875234106	Aniitha@11946	false	PAoKeKyTBZqf	Aniith
----------------------	-----	-----	---	--------	-----	------------	---------------	-------	--------------	--------

- **Login Admin :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class LoginAdmin {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElement(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }
}
```



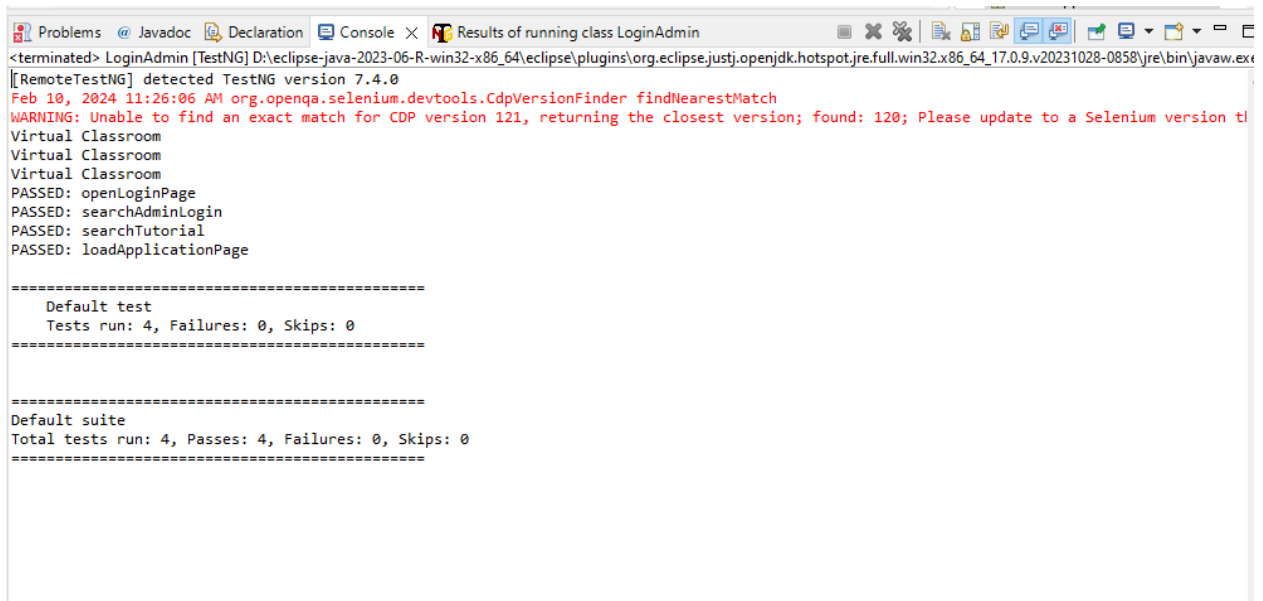
```

    }

    // Close the Browser
    // @AfterClass
    // public void close() {
    //     driver.quit();
    //     driver.close();
    // }
}

```

## Output :



The screenshot shows the Eclipse IDE console with the following output:

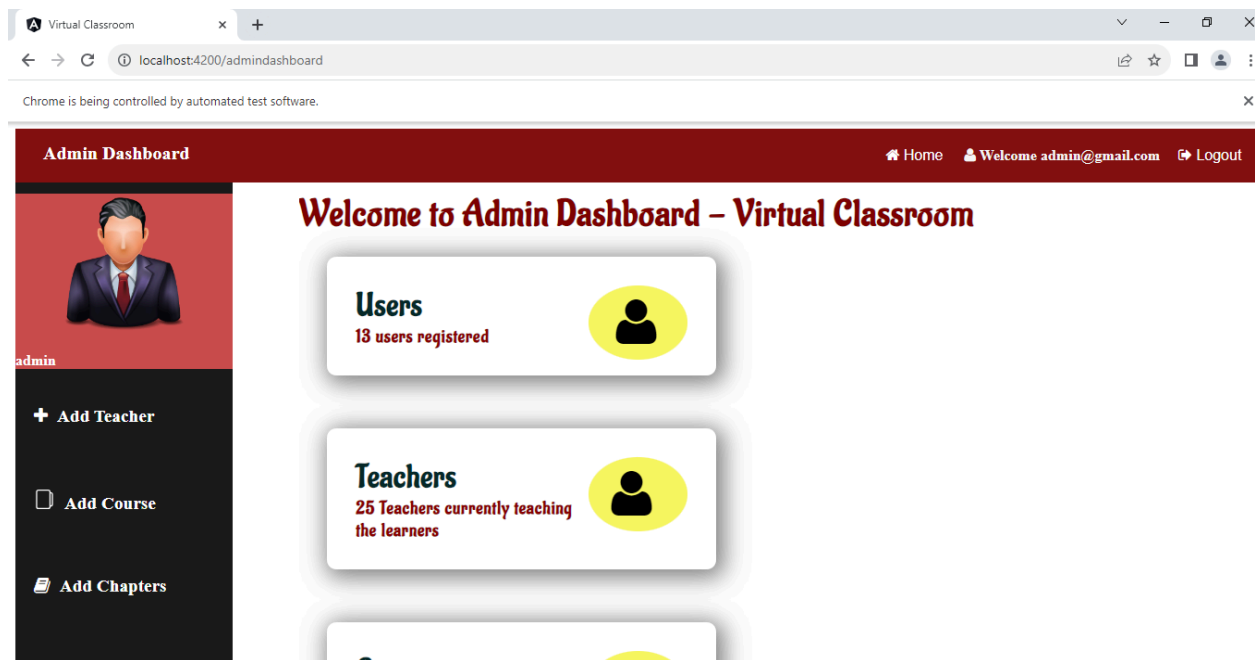
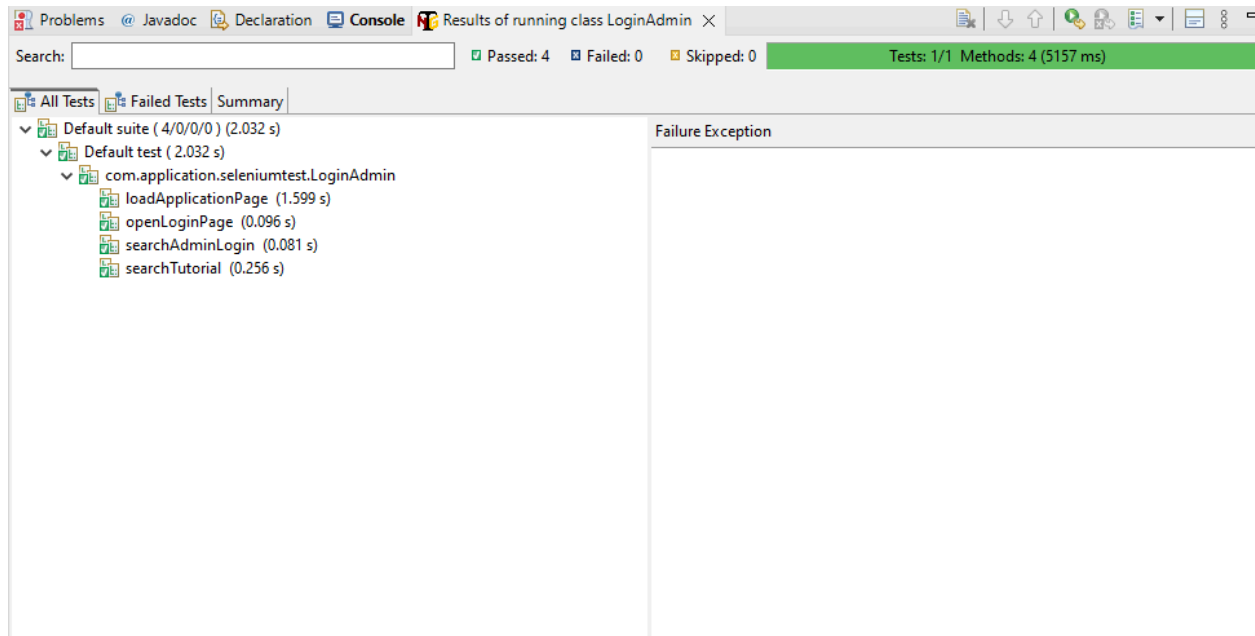
```

<terminated> LoginAdmin [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe
[[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 11:26:06 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version that supports CDP version 121.
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: openLoginPage
PASSED: searchAdminLogin
PASSED: searchTutorial
PASSED: loadApplicationPage

=====
      Default test
      Tests run: 4, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====

```



- **Login User(Teacher) :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
```

```

import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class LoginTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher Login for Login
    @Test
    public void searchTeacherLogin() {
        driver.findElement(By.className("detail_2")).get(0).click();
        System.out.println(driver.getTitle());
    }

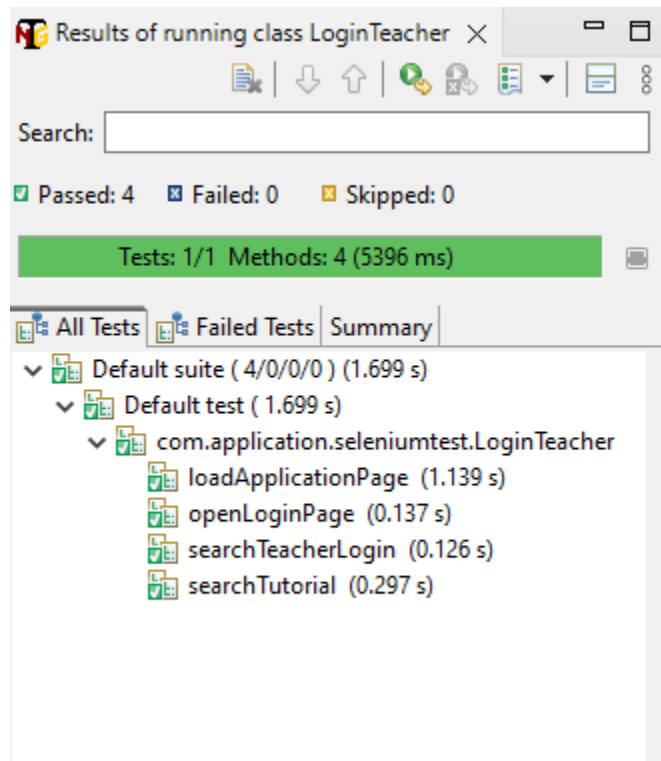
    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
    @AfterClass
    public void close() {
        driver.quit();
        driver.close();
    }
}

```

```
}
```

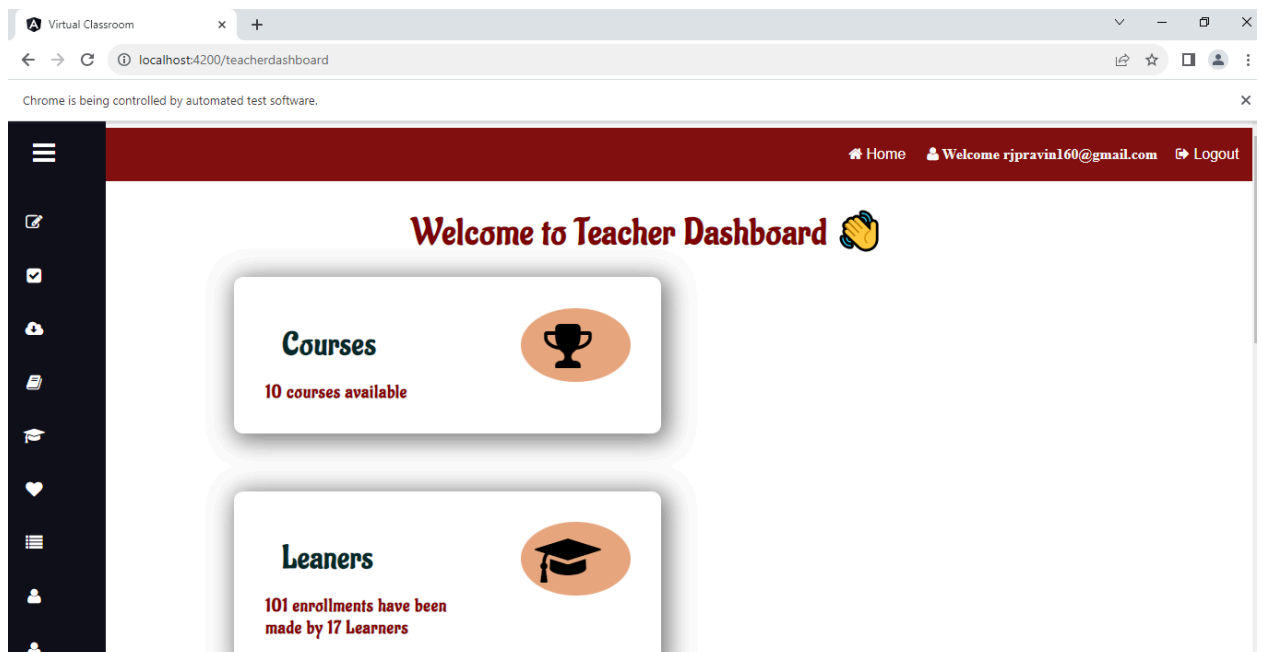
### Output :



```
Problems Javadoc Declaration Console SonarLint On-The-Fly
<terminated> LoginTeacher [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 11:49:46 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; f
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: loadApplicationPage
PASSED: searchTeacherLogin
PASSED: openLoginPage
PASSED: searchTutorial

=====
Default test
Tests run: 4, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====
```



- **Login User(Student) :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class LoginStudent {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

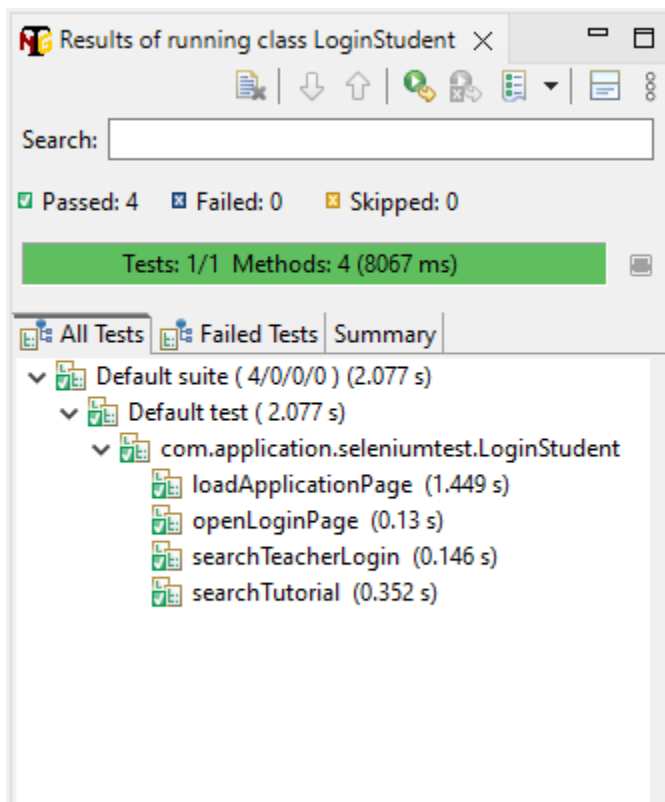
    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click User(Student) Login for Login
    @Test
    public void searchTeacherLogin() {
        driver.findElement(By.className("detail_3")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("rjpravinrj@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }
}
```

```
// Close the Browser
// @AfterClass
// public void close() {
//     driver.quit();
//     driver.close();
// }
}
```

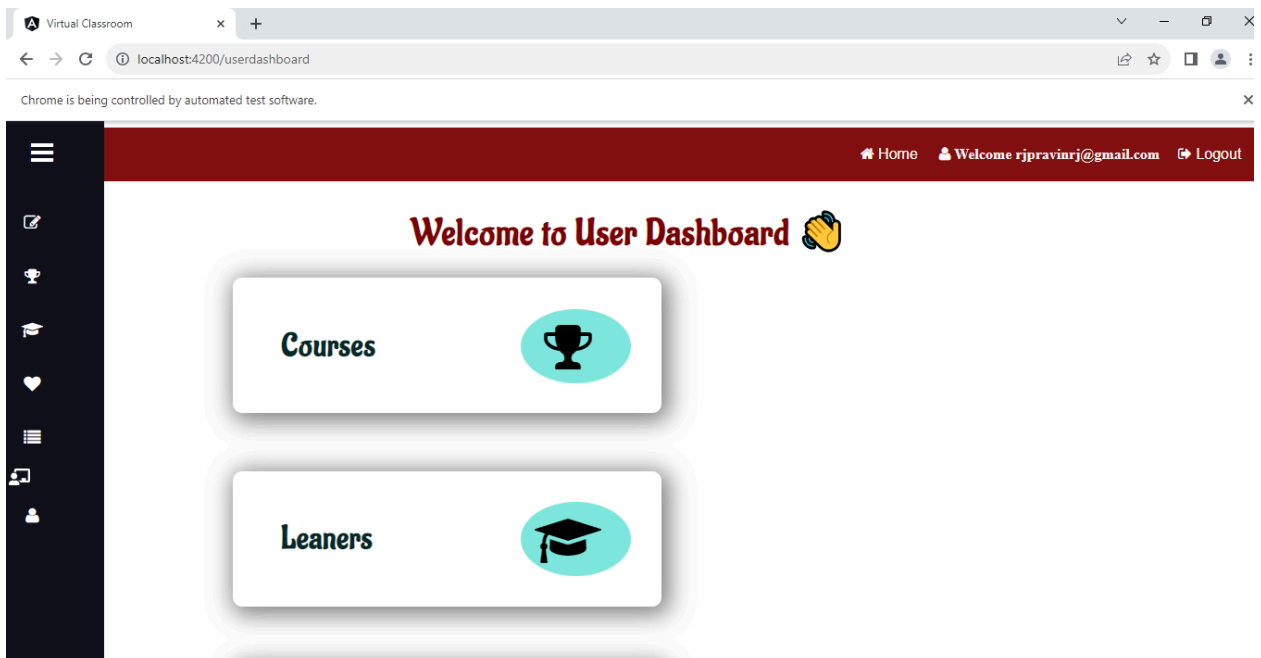
### Output :



```
Problems Javadoc Declaration Console SonarLint On-The-Fly
<terminated> LoginStudent [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 11:53:44 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; f
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchTutorial
PASSED: openLoginPage
PASSED: searchTeacherLogin
PASSED: loadApplicationPage

=====
      Default test
      Tests run: 4, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====
```





- **Button :**

- **Service Button :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ServiceButton {
    WebDriver driver;

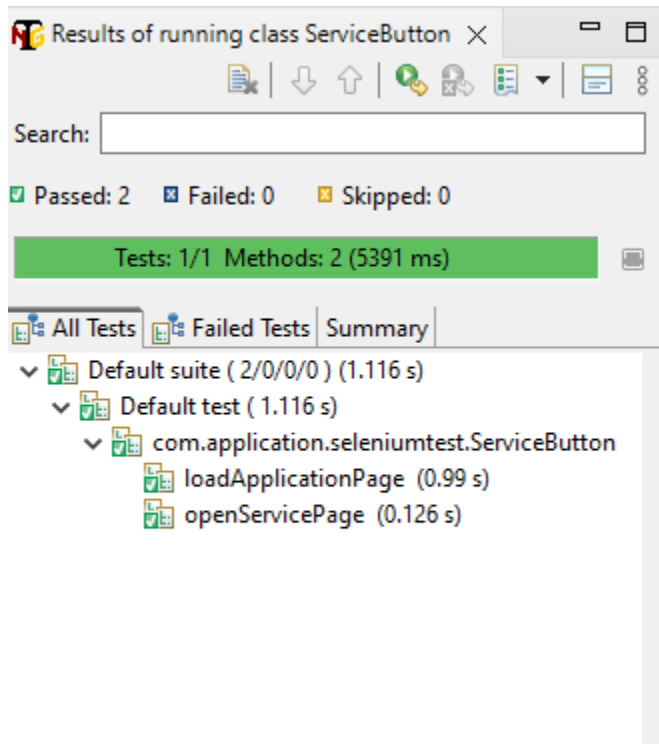
    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Service button
    @Test
    public void openServicePage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
    @AfterClass
    public void close() {
        driver.quit();
        driver.close();
    }
}
```

## Output :



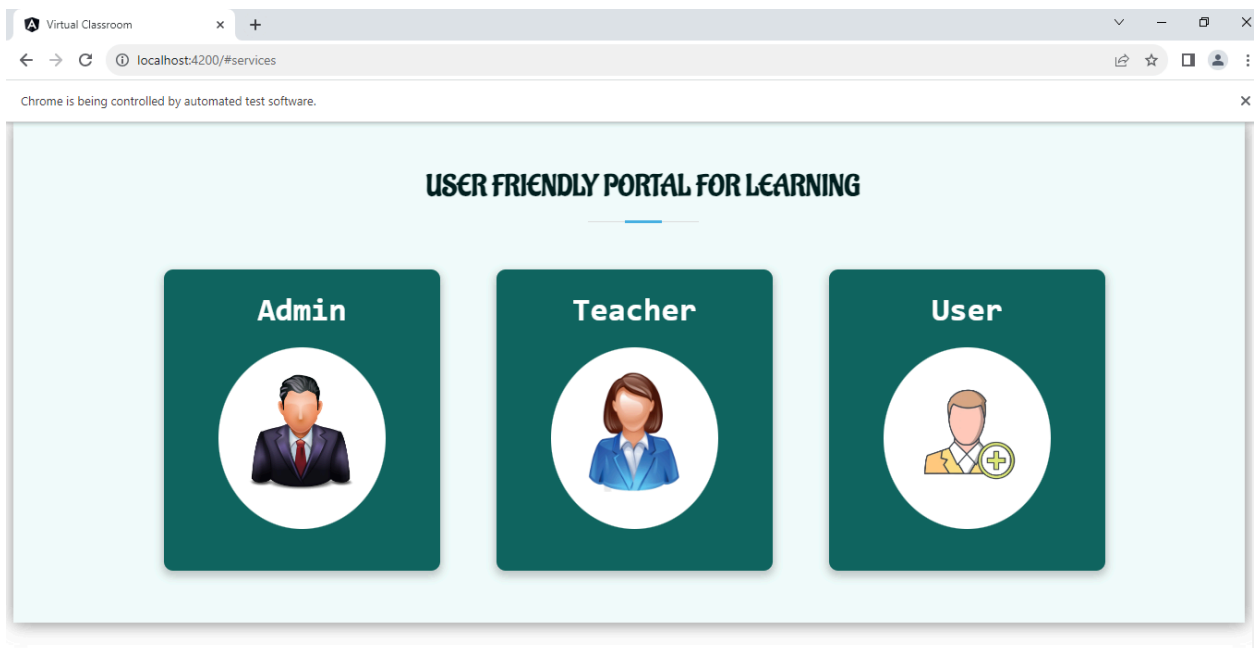
The screenshot shows the Selenium IDE interface displaying the results of a test run for the class `ServiceButton`. The window title is "Results of running class ServiceButton". The interface includes a search bar, a status bar showing "Passed: 2", "Failed: 0", and "Skipped: 0", and a green progress bar indicating "Tests: 1/1 Methods: 2 (5391 ms)". The test results are organized into a tree view with three tabs: "All Tests", "Failed Tests", and "Summary". The "All Tests" tab is selected, showing a hierarchy of test results:

- Default suite ( 2/0/0/0 ) (1.116 s)
  - Default test ( 1.116 s)
    - com.application.seleniumtest.ServiceButton
      - loadApplicationPage (0.99 s)
      - openServicePage (0.126 s)

```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> ServiceButton [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.h
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 12:01:49 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version;
Virtual Classroom
PASSED: openServicePage
PASSED: loadApplicationPage

=====
Default test
Tests run: 2, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====
```



- **Admin Services :**

- **Add Teacher :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class AddTeacherAdmin {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElements(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElements(By.tagName("button")).get(1).click();
    }
}
```

```

        System.out.println(driver.getTitle());
    }

    // Click Add teacher button
    @Test
    public void searchAddTeacher() {
        driver.findElement(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Admin add the new teacher
    @Test
    public void addTeacher() {

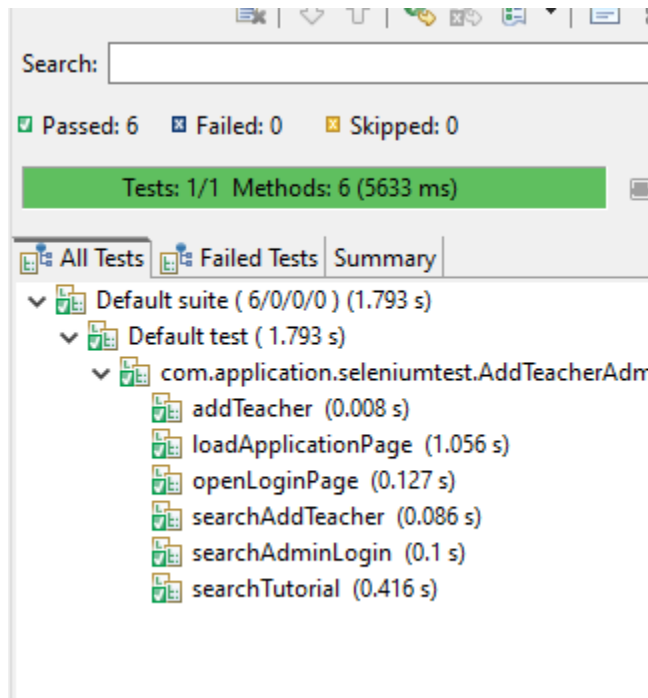
        driver.findElement(By.id("teachername")).sendKeys("Anitha");
        driver.findElement(By.id("email")).sendKeys("anith1236@gmail.com");
        driver.findElement(By.id("gender")).sendKeys("Female");
        driver.findElement(By.id("mobile")).sendKeys("8976052341");
        driver.findElement(By.id("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.id("institutionname")).sendKeys("VVE");
        driver.findElement(By.id("department")).sendKeys("EEE");
        driver.findElement(By.id("experience")).sendKeys("3");
        driver.findElement(By.id("degreecompleted")).sendKeys("PHD");
        driver.findElement(By.id("register")).click();

    }

    // Close the Browser
    @AfterClass
    // public void close() {
    //     driver.quit();
    //     driver.close();
    // }
}

```

## Output :



```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> AddTeacherAdmin [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 12:38:36 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t!
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: openLoginPage
PASSED: searchTutorial
PASSED: addTeacher
PASSED: loadApplicationPage
PASSED: searchAdminLogin
PASSED: searchAddTeacher

=====
Default test
Tests run: 6, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====
```

- **Add Course(Virtual Class) :**

```
package com.application.seleniumtest;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
public class AddCourseAdmin {

    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver",
"drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElements(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElements(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }
}
```

```

        // Click Add Course button
        @Test
        public void searchAddCourses() {
            driver.findElement(By.tagName("div")).get(0).click();
            System.out.println(driver.getTitle());
        }

        // Admin add the new teacher
        @Test
        public void addCourse() {

            driver.findElement(By.className("coursename")).sendKeys("Java");

driver.findElement(By.className("instructorname")).sendKeys("PravinKumar");

driver.findElement(By.className("youtubeurl")).sendKeys("www.youtube.com/java");
            driver.findElement(By.className("coursetype")).sendKeys("youtube");

            driver.findElement(By.className("language")).sendKeys("English");

driver.findElement(By.className("enrolleddate")).sendKeys("01/01/2024");

driver.findElement(By.className("instructorinstitution")).sendKeys("VVE");
            driver.findElement(By.className("skilllevel")).sendKeys("Basic");
            driver.findElement(By.className("description")).sendKeys("Learn
about the Java");

            driver.findElement(By.className("btnRegister")).click();

        }

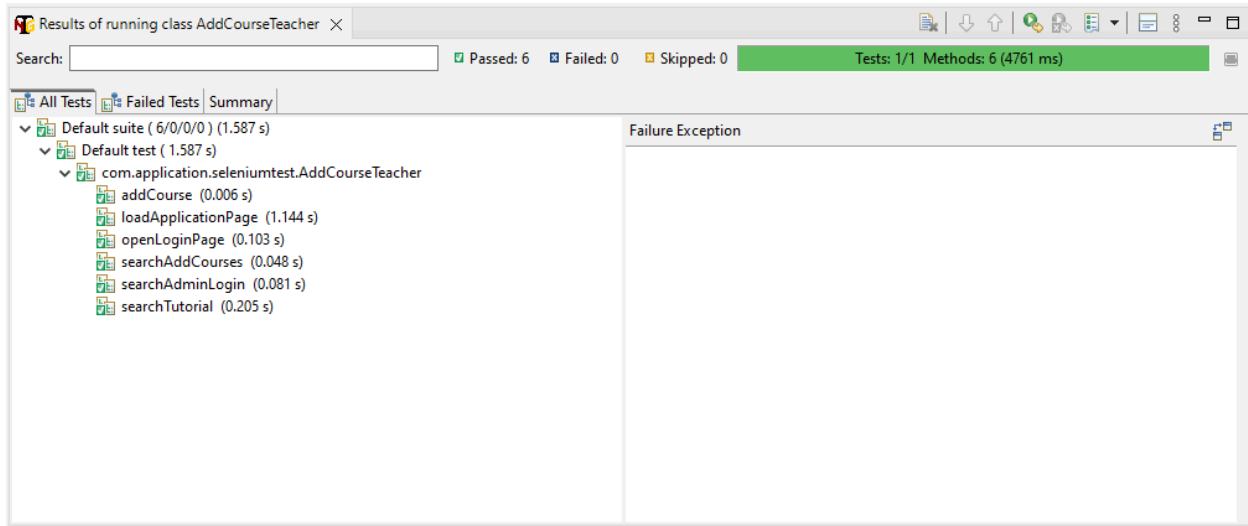
        // Close the Browser
        @AfterClass
        // public void close() {
        //     driver.quit();
        //     driver.close();
        // }

    }

```



## Output :



```
<terminated> AddCourseAdmin [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw
[[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 2:44:59 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: openLoginPage
PASSED: searchTutorial
PASSED: addCourse
PASSED: loadApplicationPage
PASSED: searchAdminLogin
PASSED: searchAddCourses

=====
Default test
Tests run: 6, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====
```

## ● View Teacher List :

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
```

```
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewTeacherListAdmin {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElement(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

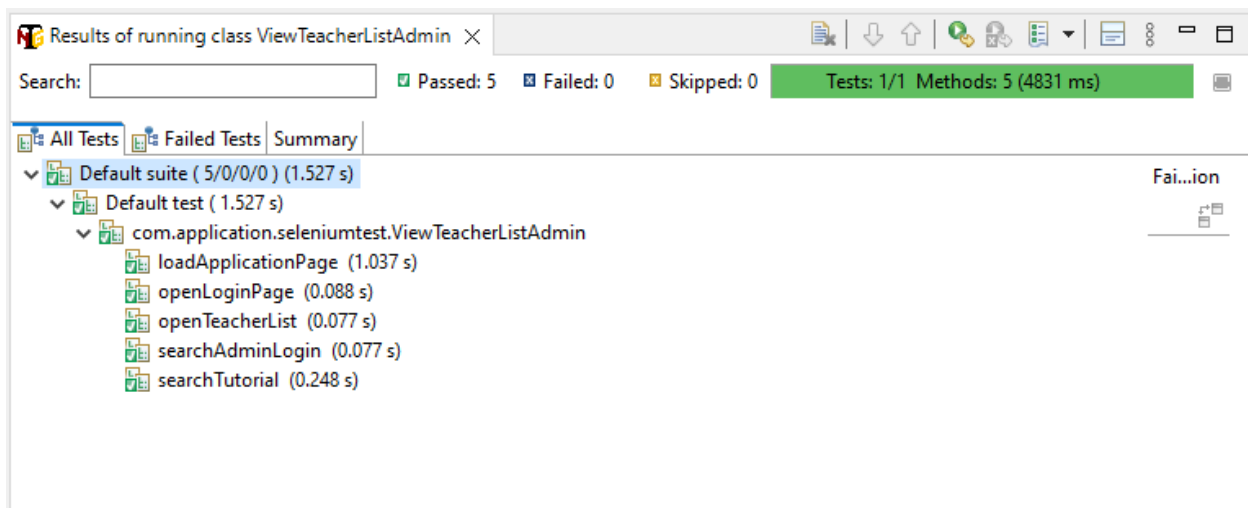
    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher List
    @Test
    public void openTeacherList() {
        driver.findElement(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
```

```
//      @AfterClass
//      public void close() {
//          driver.quit();
//          driver.close();
//      }
}
```

## Output :



```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> ViewTeacherListAdmin [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\java
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 3:06:25 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version that supports CDP version 121
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchAdminLogin
PASSED: searchTutorial
PASSED: openTeacherList
PASSED: openLoginPage
PASSED: loadApplicationPage

=====
Default test
Tests run: 5, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

## ● View User(Student) List :

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
```

```

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewUserListAdmin {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElements(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

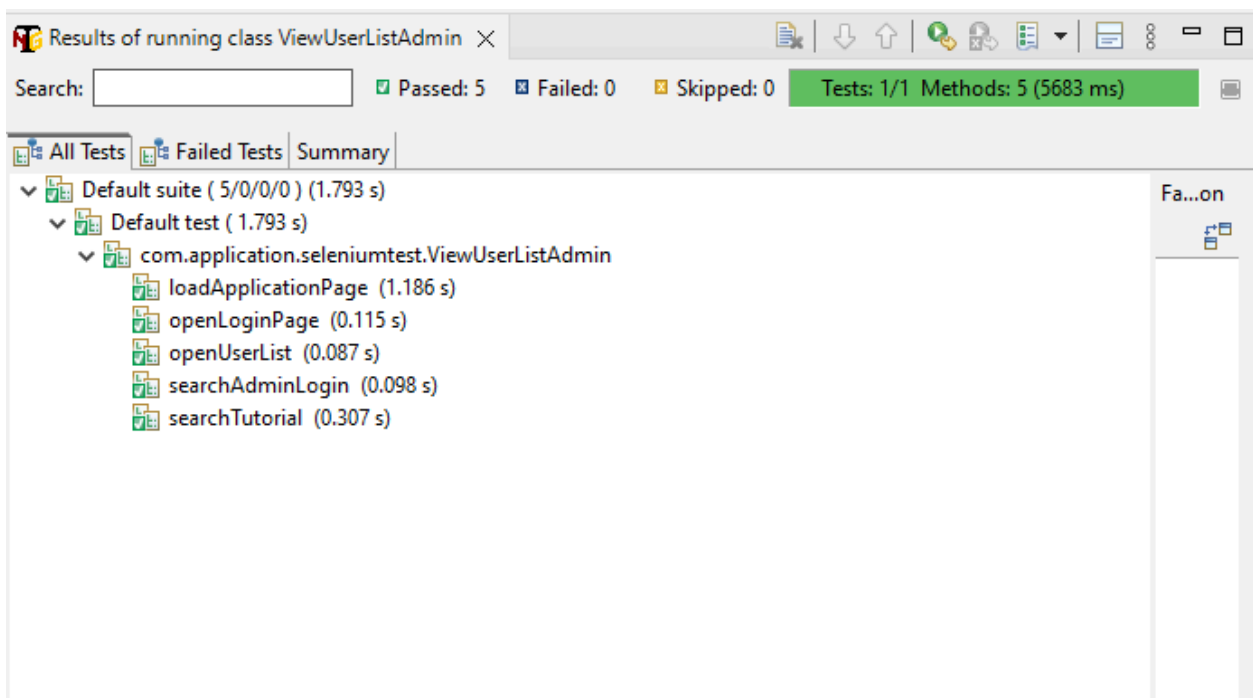
    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElements(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click User List
    @Test
    public void openUserList() {
        driver.findElements(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }
}

```

```
    }  
  
    // Close the Browser  
    // @AfterClass  
    // public void close() {  
    //     driver.quit();  
    //     driver.close();  
    // }  
}
```

### Output :



The screenshot displays the Selenium IDE interface showing the results of a test run for the class `ViewUserListAdmin`. The top status bar indicates that 5 tests passed, 0 failed, and 0 were skipped, with a total execution time of 5683 ms. The test suite is expanded, showing a single test case named `Default test` which contains five sub-test steps, all of which passed successfully.

Test Suite	Test Case	Test Method	Duration	Status
Default suite ( 5/0/0/0 ) (1.793 s)	Default test ( 1.793 s)	com.application.seleniumtest.ViewUserListAdmin		Passed
		loadApplicationPage	1.186 s	Passed
		openLoginPage	0.115 s	Passed
		openUserList	0.087 s	Passed
		searchAdminLogin	0.098 s	Passed
		searchTutorial	0.307 s	Passed

```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> ViewUserListAdmin [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\ja
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 3:15:06 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchAdminLogin
PASSED: searchTutorial
PASSED: openUserList
PASSED: openLoginPage
PASSED: loadApplicationPage

=====
    Default test
    Tests run: 5, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

- **View Course List :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewCourseListAdmin {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Applicatoion
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
```

```

        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElement(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

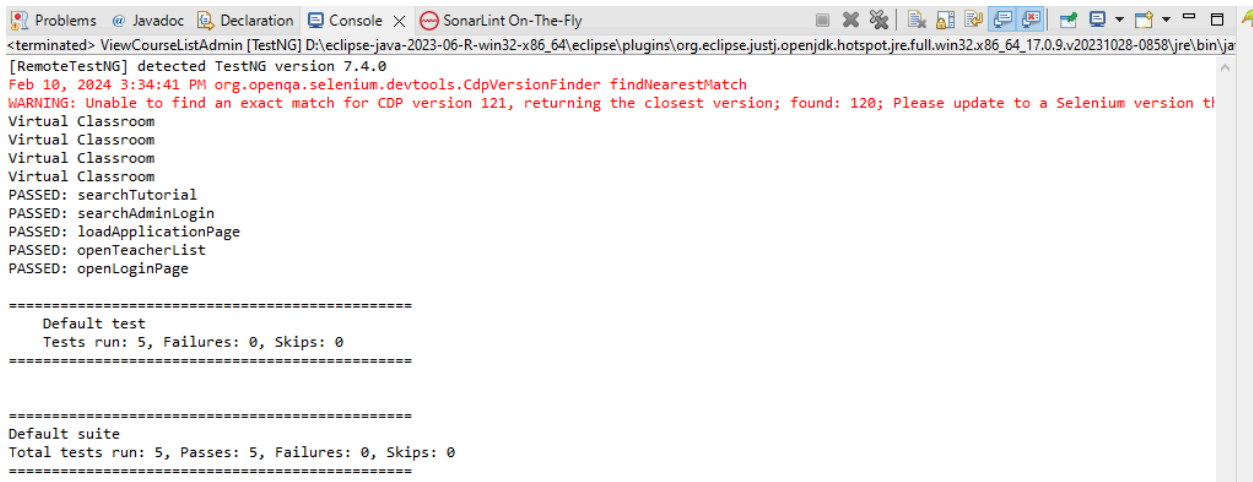
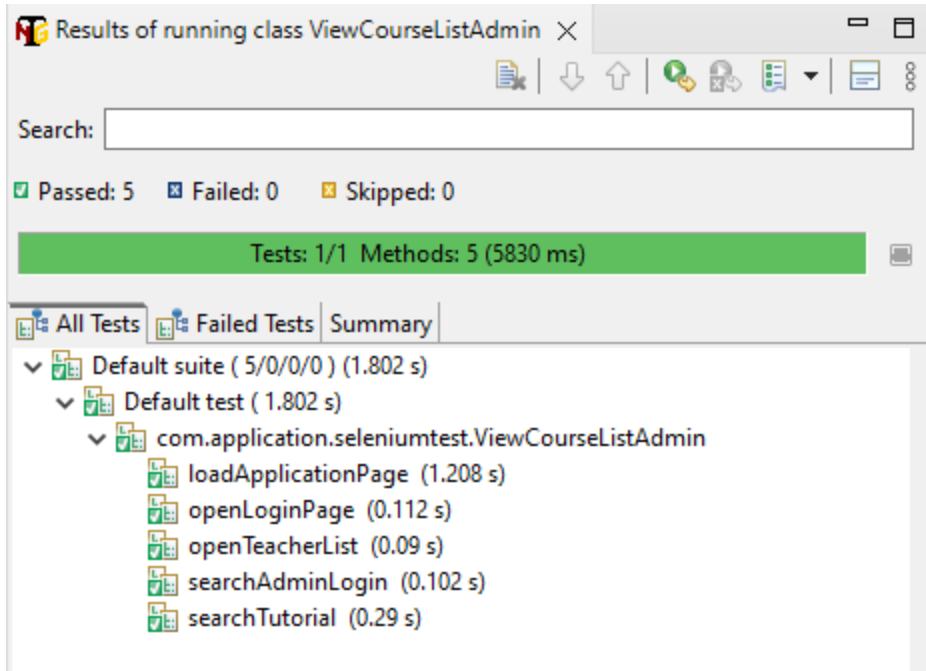
    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click Course List
    @Test
    public void openTeacherList() {
        driver.findElement(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
    @AfterClass
    public void close() {
        driver.quit();
        driver.close();
    }
}

```

**Output :**



### ● **Add new chapter :**

```
package com.application.seleniumtest;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
public class AddChapterAdmin {

    WebDriver driver;
```



```

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver",
"drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Admin Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElements(By.className("detail_1")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Admin
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("admin123");
        driver.findElements(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click Add Chapter button
    @Test
    public void searchAddChapter() {
        driver.findElements(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Admin add the new chapter
    @Test
    public void addChapter() {

        driver.findElement(By.className("coursename")).sendKeys("Java");
    }

```

```

Basic");

        driver.findElement(By.className("chapter1name")).sendKeys("Java

        driver.findElement(By.className("chapter1id")).sendKeys("90");
        driver.findElement(By.id("chapter1btn")).click();

    }

    // Close the Browser
    @AfterClass
    public void close() {
        driver.quit();
        driver.close();
    }

}

```

## Output :

The screenshot shows the Selenium IDE interface displaying the results of a test run for the class `AddChapterAdmin`. The top status bar indicates that 6 tests passed, 0 failed, and 0 were skipped, with a total of 1 test and 6 methods executed in 5947 ms. The test suite is expanded, showing a default test that passed in 1.829 seconds. This test contains six methods, all of which passed:

- `addChapter` (0.01 s)
- `loadApplicationPage` (1.189 s)
- `openLoginPage` (0.126 s)
- `searchAddChapter` (0.085 s)
- `searchAdminLogin` (0.097 s)
- `searchTutorial` (0.322 s)

The right-hand pane, labeled 'Failure', is currently empty, indicating that no test failures were recorded.

```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> AddChapterAdmin [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\java
[[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 3:25:58 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: openLoginPage
PASSED: searchTutorial
PASSED: addChapter
PASSED: loadApplicationPage
PASSED: searchAdminLogin
PASSED: searchAddChapter

=====
Default test
Tests run: 6, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====
```

- **Update User(Student) Enrolled count :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class UpdateUserStudentEnrolledCountAdmin {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Applicatoin
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }
}
```

```

// Click Admin Login for Login
@Test
public void searchAdminLogin() {
    driver.findElement(By.className("detail_1")).get(0).click();
    System.out.println(driver.getTitle());
}

// Enter Inputs to Login for Admin
@Test
public void searchTutorial() {
    driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
    driver.findElement(By.name("pwd")).sendKeys("admin123");
    driver.findElement(By.tagName("button")).get(1).click();
    System.out.println(driver.getTitle());
}

// Click Update Enrolled Count button
@Test
public void searchUpdateEnrolledCount() {
    driver.findElement(By.tagName("div")).get(0).click();
    System.out.println(driver.getTitle());
}

// Admin update the user(Student) Enrolled count
@Test
public void updateEnrolledCount() {

    driver.findElement(By.id("coursename")).sendKeys("Java");
    driver.findElement(By.id("courseid")).sendKeys("90");
    driver.findElement(By.id("enrolledcount")).sendKeys("5");
    driver.findElement(By.id("update")).click();

}

// Close the Browser
// @AfterClass
// public void close() {
//     driver.quit();
//     driver.close();
// }
}

```

## Output :

The screenshot displays the Eclipse IDE interface. The top window, titled "Results of running class UpdateUserStudentEnrolledCountAdmin", shows a summary of test results: "Passed: 6", "Failed: 0", "Skipped: 0", and "Tests: 1/1 Methods: 6 (6652 ms)". Below this, a tree view under "All Tests" shows the test suite structure: "Default suite (6/0/0/0) (2.529 s)" containing "Default test (2.529 s)" which in turn contains the test class "com.application.seleniumtest.UpdateUserStudentEnrolledCountAdmin". This class lists six test methods with their execution times: "loadApplicationPage (1.872 s)", "openLoginPage (0.116 s)", "searchAdminLogin (0.12 s)", "searchTutorial (0.32 s)", "searchUpdateEnrolledCount (0.099 s)", and "updateEnrolledCount (0.002 s)".

The bottom window, titled "Console", shows the execution log. It includes a warning from Selenium about the CDP version (120) and a list of test results, all of which are "PASSED". The log concludes with a summary: "Default test: Tests run: 6, Failures: 0, Skips: 0" and "Default suite: Total tests run: 6, Passes: 6, Failures: 0, Skips: 0".

### ● View Enrolled List :

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewCourseListAdmin {
    WebDriver driver;
```

```

@BeforeClass
public void InitializeDriver() {
    System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
    driver = new ChromeDriver();
}

// Load the Application
// To open the web application in a chrome browser
@Test
public void loadApplicationPage() {
    driver.navigate().to("http://localhost:4200/");
}

// Click Login button for Choose
@Test
public void openLoginPage() {
    driver.findElements(By.className("log")).get(2).click();
    System.out.println(driver.getTitle());
}

// Click Admin Login for Login
@Test
public void searchAdminLogin() {
    driver.findElements(By.className("detail_1")).get(0).click();
    System.out.println(driver.getTitle());
}

// Enter Inputs to Login for Admin
@Test
public void searchTutorial() {
    driver.findElement(By.name("email")).sendKeys("admin@gmail.com");
    driver.findElement(By.name("pwd")).sendKeys("admin123");
    driver.findElements(By.tagName("button")).get(1).click();
    System.out.println(driver.getTitle());
}

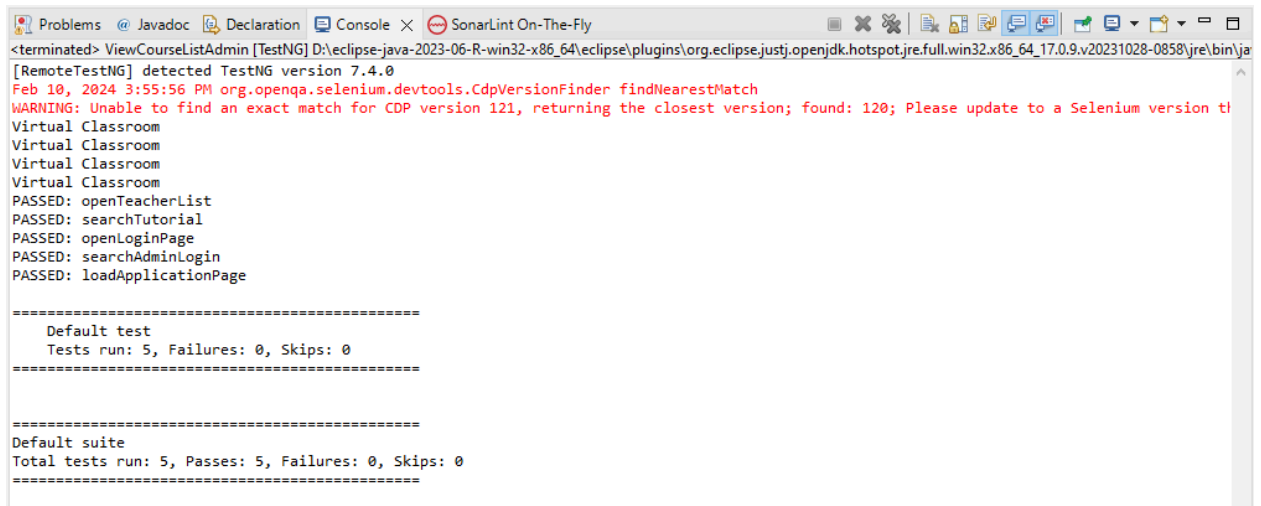
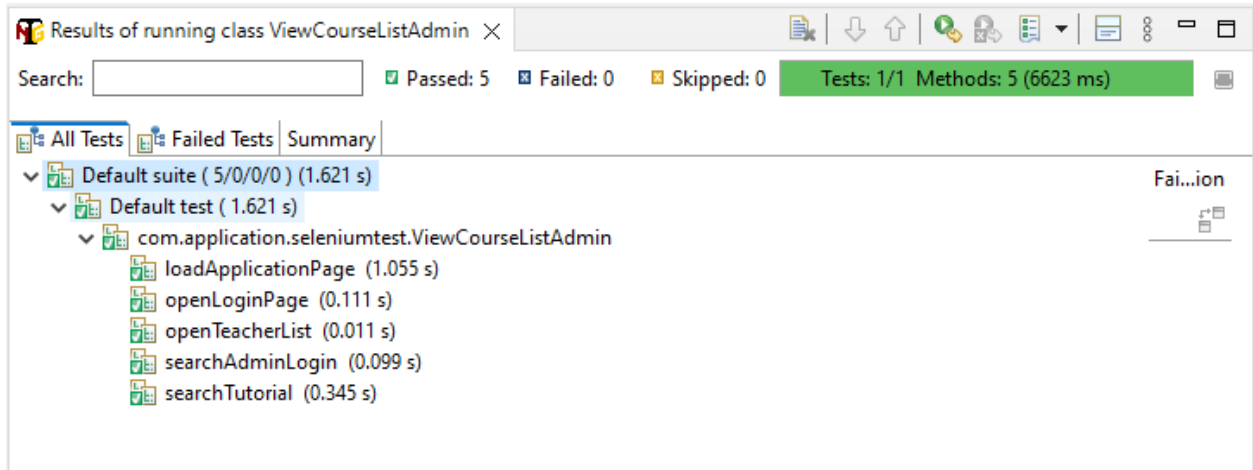
// Click Course List
@Test
public void openTeacherList() {
    driver.findElement(By.id("coursename")).sendKeys("Java");
    driver.findElement(By.id("courseid")).sendKeys("90");
    driver.findElements(By.tagName("button")).get(0).click();
    System.out.println(driver.getTitle());
}

// Close the Browser
// @AfterClass
// public void close() {
//     driver.quit();

```

```
//          driver.close();
//      }
}
```

## Output :



## • User(Teacher) Services :

## • Update Teacher :

```
package com.application.seleniumtest;
```

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class UpdateTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher Login for Login
    @Test
    public void searchAdminLogin() {
        driver.findElement(By.className("detail_2")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click Update teacher button
    @Test
    public void searchUpdateTeacher() {
```



```

        driver.findElement(By.tagName("div")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Teacher update their data
    @Test
    public void updateTeacher() {

        driver.findElement(By.id("teachername")).sendKeys("Anitha");
        driver.findElement(By.id("email")).sendKeys("anith1236@gmail.com");
        driver.findElement(By.id("gender")).sendKeys("Female");
        driver.findElement(By.id("mobile")).sendKeys("8976052341");
        driver.findElement(By.id("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.id("institutionname")).sendKeys("VVE");
        driver.findElement(By.id("department")).sendKeys("EEE");
        driver.findElement(By.id("experience")).sendKeys("3");
        driver.findElement(By.id("degreecompleted")).sendKeys("PHD");
        driver.findElement(By.id("register")).click();

    }

    // Close the Browser
    @AfterClass
    public void close() {
        driver.quit();
        driver.close();
    }

}

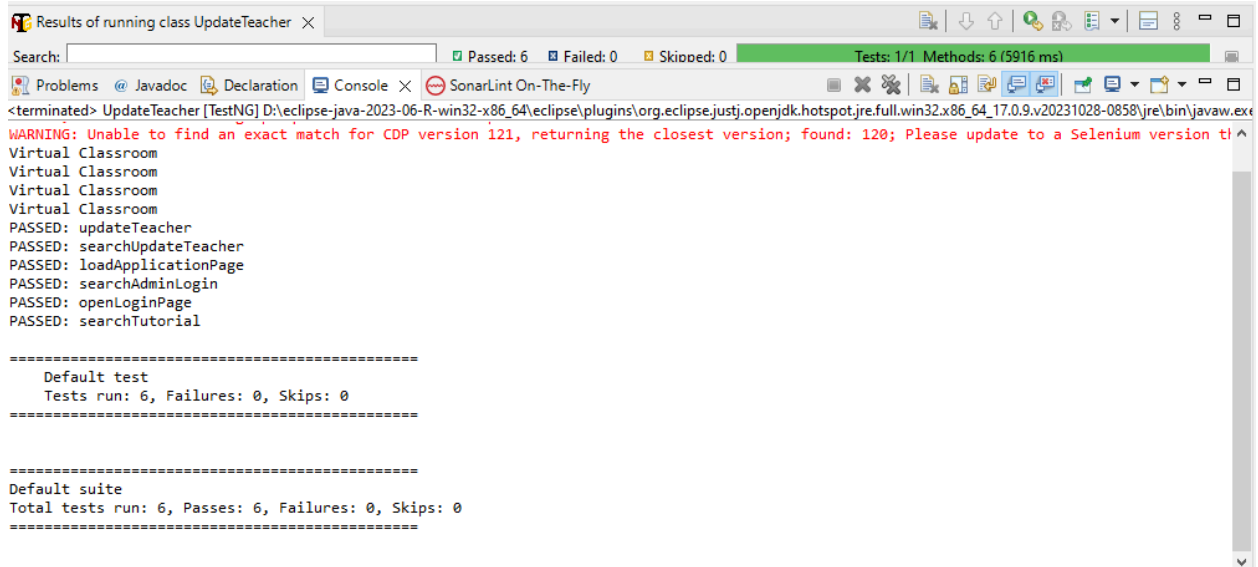
```

## Output :

The screenshot shows the 'Results of running class UpdateTeacher' window. At the top, a green status bar indicates 'Tests: 1/1 Methods: 6 (5916 ms)'. Below this, a search bar and summary statistics show 'Passed: 6', 'Failed: 0', and 'Skipped: 0'. The main area displays a tree view of the test execution results:

- Default suite ( 6/0/0/0 ) (1.438 s)
  - Default test ( 1.438 s)
    - com.application.seleniumtest.UpdateTeacher
      - loadApplicationPage (0.891 s)
      - openLoginPage (0.112 s)
      - searchAdminLogin (0.091 s)
      - searchTutorial (0.206 s)
      - searchUpdateTeacher (0.138 s)
      - updateTeacher (0 s)

On the right side, there is a 'Failure Exception' panel, which is currently empty, indicating that all tests passed successfully.



### • **Add Course(Virtual Class) :**

```
package com.application.seleniumtest;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
public class AddCourseTeacher {

    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver",
"drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
    }
}
```

```

        System.out.println(driver.getTitle());
    }

    // Click Teacher Login for Login
    @Test
    public void searchTeacherLogin() {
        driver.findElement(By.className("detail_2")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click Add Course button
    @Test
    public void searchAddCourses() {
        driver.findElement(By.tagName("div")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Teacher add the new course
    @Test
    public void addCourse() {

        driver.findElement(By.className("coursename")).sendKeys("Spring");

        driver.findElement(By.className("instructorname")).sendKeys("Anitha");

        driver.findElement(By.className("youtubeurl")).sendKeys("www.youtube.com/Spring");
        driver.findElement(By.className("coursetype")).sendKeys("youtube");

        driver.findElement(By.className("language")).sendKeys("English");

        driver.findElement(By.className("enrolleddate")).sendKeys("01/01/2024");

        driver.findElement(By.className("instructorinstitution")).sendKeys("VVE");
        driver.findElement(By.className("skilllevel")).sendKeys("Basic");
        driver.findElement(By.className("description")).sendKeys("Learn
about the Spring");
        driver.findElement(By.className("btnRegister")).click();

    }

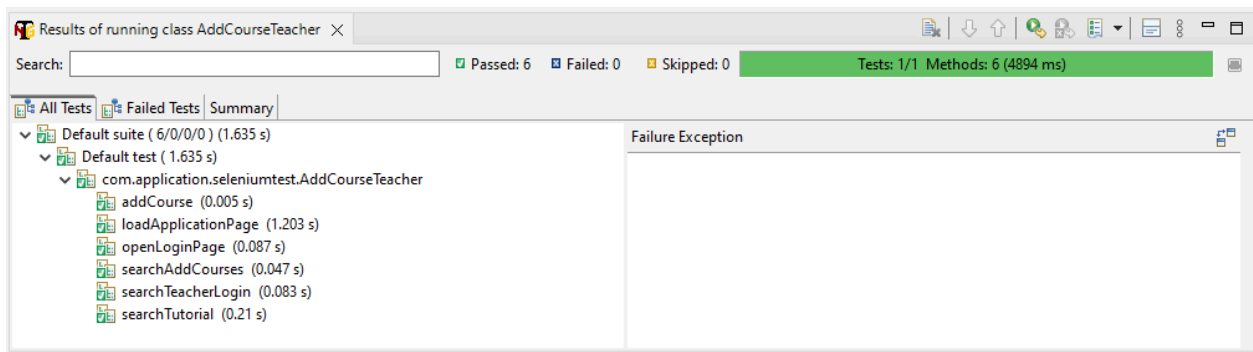
```

```

//          // Close the Browser
//          @AfterClass
//          public void close() {
//              driver.quit();
//              driver.close();
//          }
    }
}

```

## Output :



```

[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 2:56:30 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchTutorial
PASSED: openLoginPage
PASSED: searchAddCourses
PASSED: loadApplicationPage
PASSED: searchTeacherLogin
PASSED: addCourse

=====
      Default test
      Tests run: 6, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====

```

## ● View Teacher List :

```

package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

```

```

public class ViewTeacherListTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher Login for Login
    @Test
    public void searchTeacherLogin() {
        driver.findElement(By.className("detail_2")).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).click();
        System.out.println(driver.getTitle());
    }

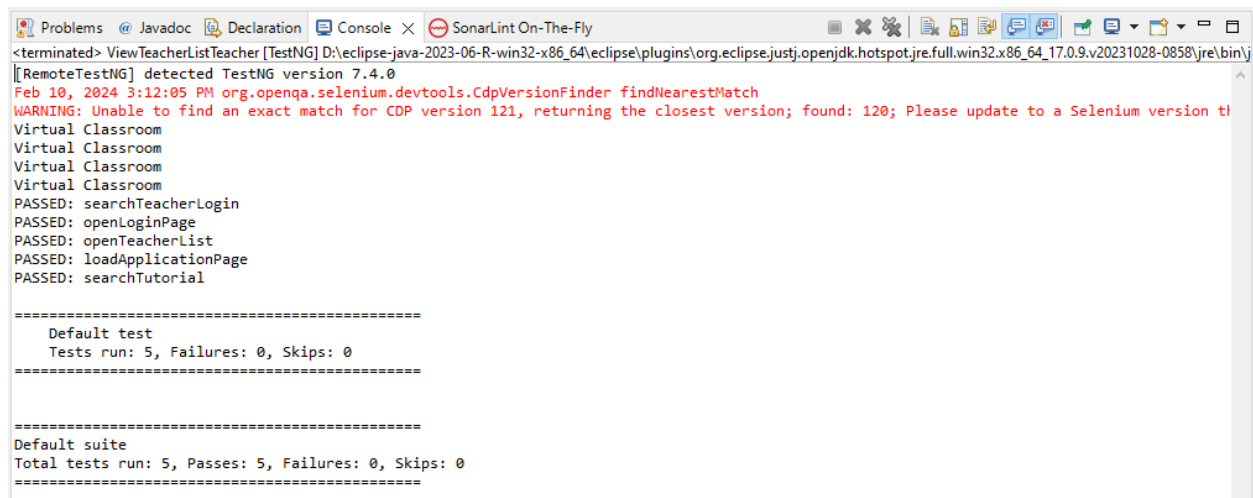
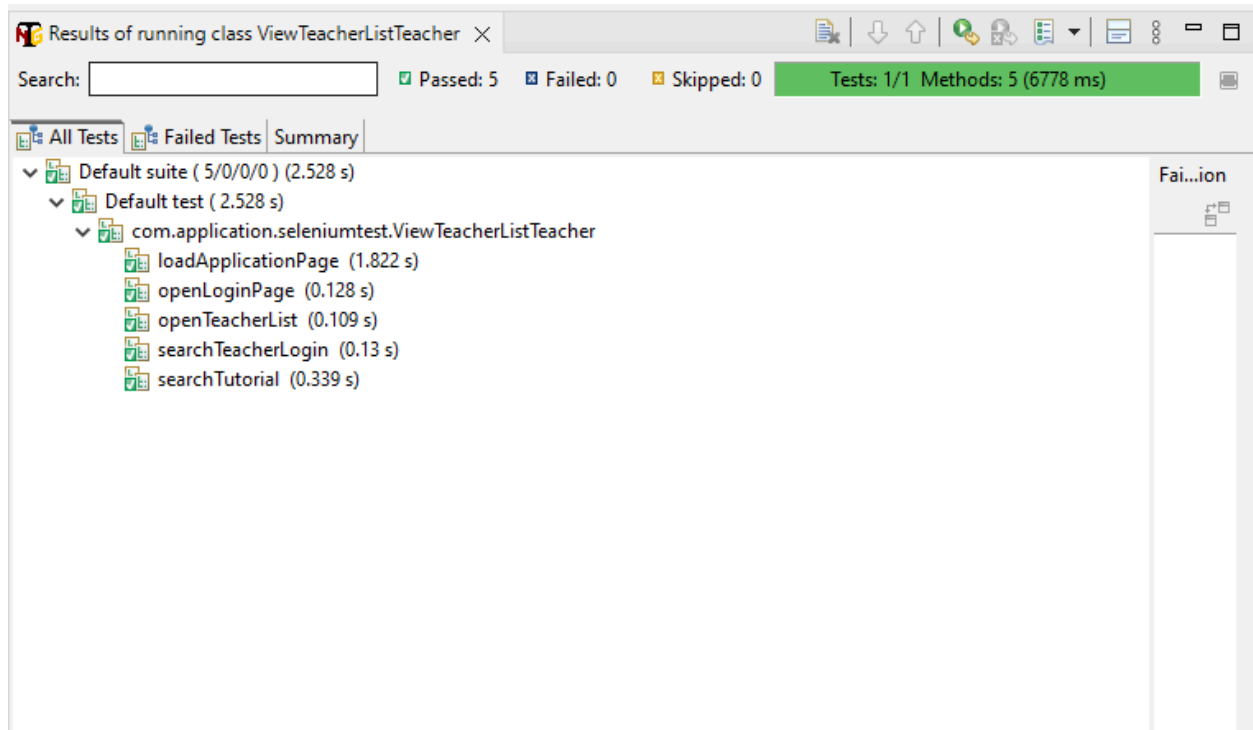
    // Click Teacher List
    @Test
    public void openTeacherList() {
        driver.findElement(By.tagName("label")).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
    // @AfterClass

```

```
//      public void close() {
//          driver.quit();
//          driver.close();
//      }
//  }
}
```

## Output :



## ● View User(Student) List :

```

package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewUserListTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher Login for Login
    @Test
    public void searchTeacherLogin() {
        driver.findElement(By.className("detail_2")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");

        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }
}

```

```
// Click User List
@Test
public void openUserList() {
    driver.findElement(By.tagName("label")).get(0).click();
    System.out.println(driver.getTitle());
}

// Close the Browser
@AfterClass
public void close() {
    driver.quit();
    driver.close();
}
}
```

### Output :

The screenshot shows the Selenium IDE interface displaying the results of running the class `ViewUserListTeacher`. The top status bar indicates that 5 tests passed, 0 failed, and 0 were skipped, with a total execution time of 5890 ms. The test results are organized into a tree view under the 'All Tests' tab. The tree shows the following structure:

- Default suite ( 5/0/0/0 ) (1.736 s)
  - Default test ( 1.736 s)
    - com.application.seleniumtest.ViewUserListTeacher
      - loadApplicationPage (1.116 s)
      - openLoginPage (0.121 s)
      - openUserList (0.095 s)
      - searchTeacherLogin (0.113 s)
      - searchTutorial (0.291 s)

On the right side of the interface, there is a 'Failures' tab, which is currently empty, indicating that all tests passed successfully.



```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> ViewUserListTeacher [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\java
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 3:19:02 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchTeacherLogin
PASSED: openLoginPage
PASSED: openUserList
PASSED: loadApplicationPage
PASSED: searchTutorial

=====
      Default test
      Tests run: 5, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

### ● View Course List :

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewCourseListTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Applicatoin
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }
}
```

```

        // Click Teacher Login for Login
        @Test
        public void searchTeacherLogin() {
            driver.findElement(By.className("detail_2")).get(0).click();
            System.out.println(driver.getTitle());
        }

        // Enter Inputs to Login for Teacher
        @Test
        public void searchTutorial() {

driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");

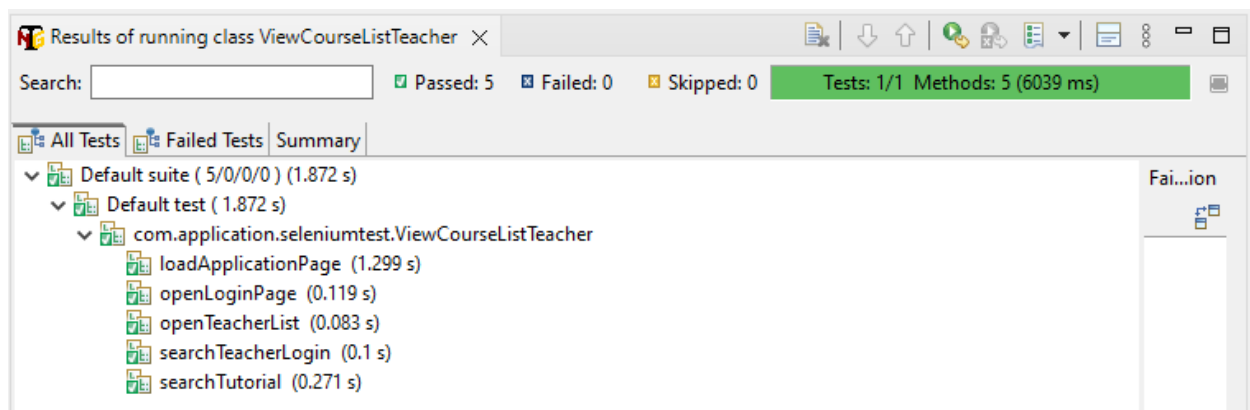
driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
            driver.findElement(By.tagName("button")).get(1).click();
            System.out.println(driver.getTitle());
        }

        // Click Course List
        @Test
        public void openTeacherList() {
            driver.findElement(By.tagName("label")).get(0).click();
            System.out.println(driver.getTitle());
        }

        // Close the Browser
        // @AfterClass
        // public void close() {
        //     driver.quit();
        //     driver.close();
        // }
    }
}

```

## Output :



```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> ViewCourseListTeacher [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\j
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 3:39:03 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version th
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: searchTutorial
PASSED: searchTeacherLogin
PASSED: loadApplicationPage
PASSED: openTeacherList
PASSED: openLoginPage

=====
      Default test
      Tests run: 5, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

- **Add new chapter :**

```
package com.application.seleniumtest;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
public class AddChapterTeacher {

    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver",
"drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElements(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }
}
```

```

        // Click Teacher Login for Login
        @Test
        public void searchTeacherLogin() {

driver.findElement(By.className("detail_2")).get(0).click();
        System.out.println(driver.getTitle());
        }

        // Enter Inputs to Login for Teacher
        @Test
        public void searchTutorial() {

driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");

driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
        }

        // Click Add Chapter button
        @Test
        public void searchAddChapter() {
            driver.findElement(By.tagName("label")).get(0).click();
            System.out.println(driver.getTitle());
        }

        // Teacher add the new chapter
        @Test
        public void addChapter() {

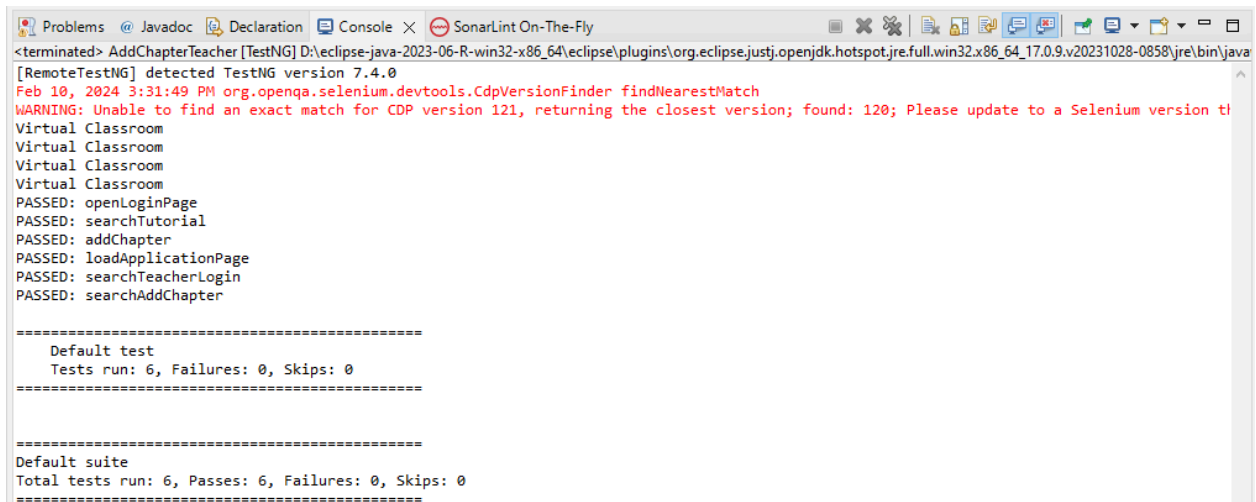
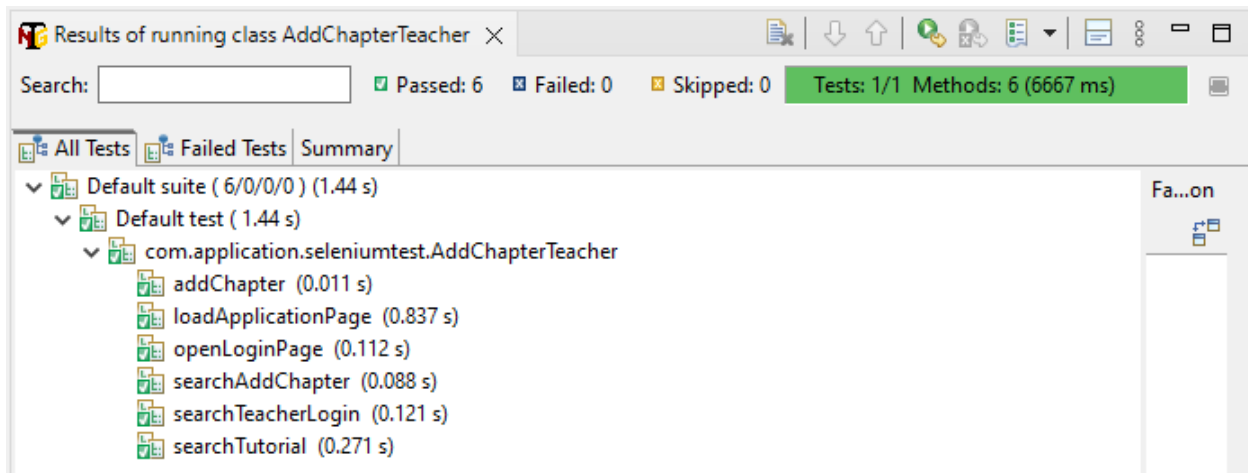
            driver.findElement(By.className("coursename")).sendKeys("Spring");
            driver.findElement(By.className("chapter1name")).sendKeys("Spring
Basic");

            driver.findElement(By.className("chapter1id")).sendKeys("95");
            driver.findElement(By.id("chapter1btn")).click();
        }

        // Close the Browser
        @AfterClass
        public void close() {
            driver.quit();
            driver.close();
        }
    }
}

```

## Output :



### ● **Update User(Student) Enrolled count :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class UpdateUserStudentEnrolledCountTeacher {
    WebDriver driver;

    @BeforeClass
```

```

public void InitializeDriver() {
    System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
    driver = new ChromeDriver();
}

// Load the Application
// To open the web application in a chrome browser
@Test
public void loadApplicationPage() {
    driver.navigate().to("http://localhost:4200/");
}

// Click Login button for Choose
@Test
public void openLoginPage() {
    driver.findElements(By.className("log")).get(2).click();
    System.out.println(driver.getTitle());
}

// Click Teacher Login for Login
@Test
public void searchTeacherLogin() {
    driver.findElements(By.className("detail_2")).get(0).click();
    System.out.println(driver.getTitle());
}

// Enter Inputs to Login for Teacher
@Test
public void searchTutorial() {
    driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");
    driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
    driver.findElements(By.tagName("button")).get(1).click();
    System.out.println(driver.getTitle());
}

// Click Update Enrolled Count button
@Test
public void searchUpdateEnrolledCount() {
    driver.findElements(By.tagName("div")).get(0).click();
    System.out.println(driver.getTitle());
}

// Admin update the user(Student) Enrolled count
@Test
public void updateEnrolledCount() {
    driver.findElement(By.id("coursename")).sendKeys("Java");
    driver.findElement(By.id("courseid")).sendKeys("90");
    driver.findElement(By.id("enrolledcount")).sendKeys("6");
}

```

```

        driver.findElement(By.id("update")).click();

    }

    // Close the Browser
    @AfterClass
    // public void close() {
    //     driver.quit();
    //     driver.close();
    // }
}

```

## Output :

Results of running class UpdateUserStudentEnrolledCountTeacher

Search:  Passed: 6 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 6 (5998 ms)

All Tests | Failed Tests | Summary

- Default suite ( 6/0/0/0 ) (1.809 s)
  - Default test ( 1.809 s)
    - com.application.seleniumtest.UpdateUserStudentEnrolledCountTeacher
      - loadApplicationPage (1.18 s)
      - openLoginPage (0.122 s)
      - searchTeacherLogin (0.113 s)
      - searchTutorial (0.272 s)
      - searchUpdateEnrolledCount (0.121 s)
      - updateEnrolledCount (0.001 s)

Problems | Javadoc | Declaration | Console | SonarLint On-The-Fly

```

<terminated> UpdateUserStudentEnrolledCountTeacher [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v2023
[[RemoteTestNG]] detected TestNG version 7.4.0
Feb 10, 2024 3:50:57 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version th
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: openLoginPage
PASSED: searchUpdateEnrolledCount
PASSED: loadApplicationPage
PASSED: searchTutorial
PASSED: updateEnrolledCount
PASSED: searchTeacherLogin

=====
Default test
Tests run: 6, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====

```

- **View Enrolled List :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewEnrolledCountTeacher {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Application
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
    public void openLoginPage() {
        driver.findElement(By.className("log")).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher Login for Login
    @Test
    public void searchTeacherLogin() {
        driver.findElement(By.className("detail_2")).click();
        System.out.println(driver.getTitle());
    }

    // Enter Inputs to Login for Teacher
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("teacheremail")).sendKeys("rjpravin160@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).click();
        System.out.println(driver.getTitle());
    }
}
```



```

    }

    // Click Enrolled List
    @Test
    public void openEnrolledList() {
        driver.findElement(By.id("coursename")).sendKeys("Java");
        driver.findElement(By.id("courseid")).sendKeys("90");
        driver.findElements(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
    // @AfterClass
    // public void close() {
    //     driver.quit();
    //     driver.close();
    // }
}

```

### Output :

The screenshot shows the Selenium IDE interface displaying the results of running the class `ViewEnrolledCountTeacher`. The top status bar indicates that all tests passed: **Passed: 5**, **Failed: 0**, **Skipped: 0**, with a total of **Tests: 1/1** and **Methods: 5** taking **5993 ms**. The test results are organized into a tree view under the **All Tests** tab.

- Default suite ( 5/0/0/0 ) (1.683 s)**
  - Default test ( 1.683 s)**
    - com.application.seleniumtest.ViewEnrolledCountTeacher**
      - `loadApplicationPage` (1.14 s)
      - `openEnrolledList` (0.016 s)
      - `openLoginPage` (0.121 s)
      - `searchTeacherLogin` (0.118 s)
      - `searchTutorial` (0.288 s)

On the right side of the interface, there is a **Failures** pane, which is currently empty, indicating that no test failures occurred.

```
Problems @ Javadoc Declaration Console X SonarLint On-The-Fly
<terminated> ViewEnrolledCountTeacher [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\b
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 4:00:30 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
Virtual Classroom
Virtual Classroom
Virtual Classroom
Virtual Classroom
PASSED: openEnrolledList
PASSED: openLoginPage
PASSED: searchTutorial
PASSED: searchTeacherLogin
PASSED: loadApplicationPage

=====
Default test
Tests run: 5, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

---

- **User(Student) Services :**

- **View Teacher List :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewTeacherListStudent {
    WebDriver driver;

    @BeforeClass
    public void InitializeDriver() {
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
        driver = new ChromeDriver();
    }

    // Load the Applicatoin
    // To open the web application in a chrome browser
    @Test
    public void loadApplicationPage() {
        driver.navigate().to("http://localhost:4200/");
    }

    // Click Login button for Choose
    @Test
```

```

    public void openLoginPage() {
        driver.findElement(By.className("log")).get(2).click();
        System.out.println(driver.getTitle());
    }

    // Click User(Student) Login for Login
    @Test
    public void searchStudentLogin() {
        driver.findElement(By.className("detail_3")).get(0).click();
        System.out.println(driver.getTitle());
    }

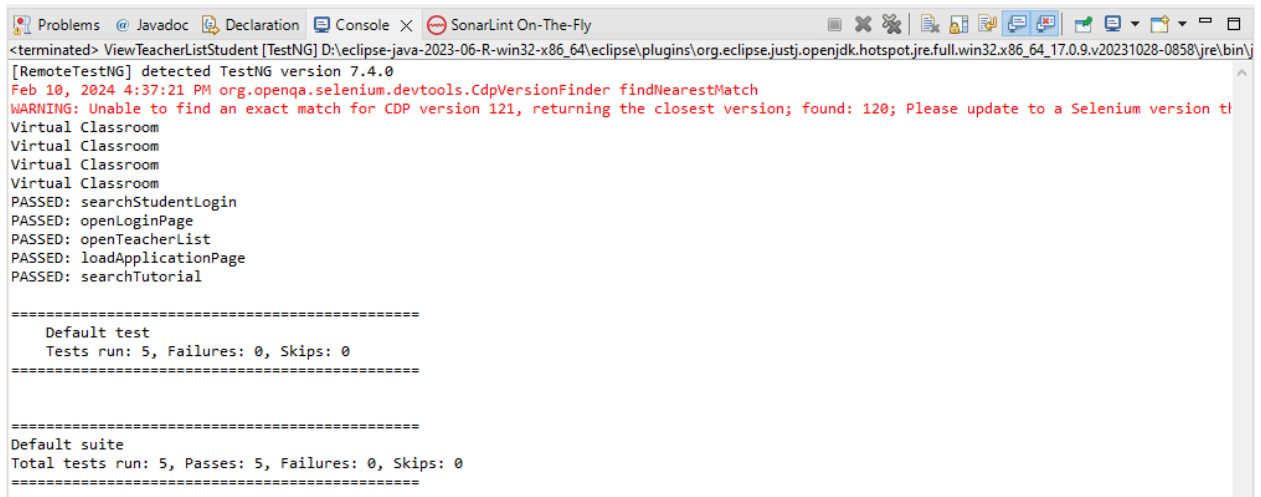
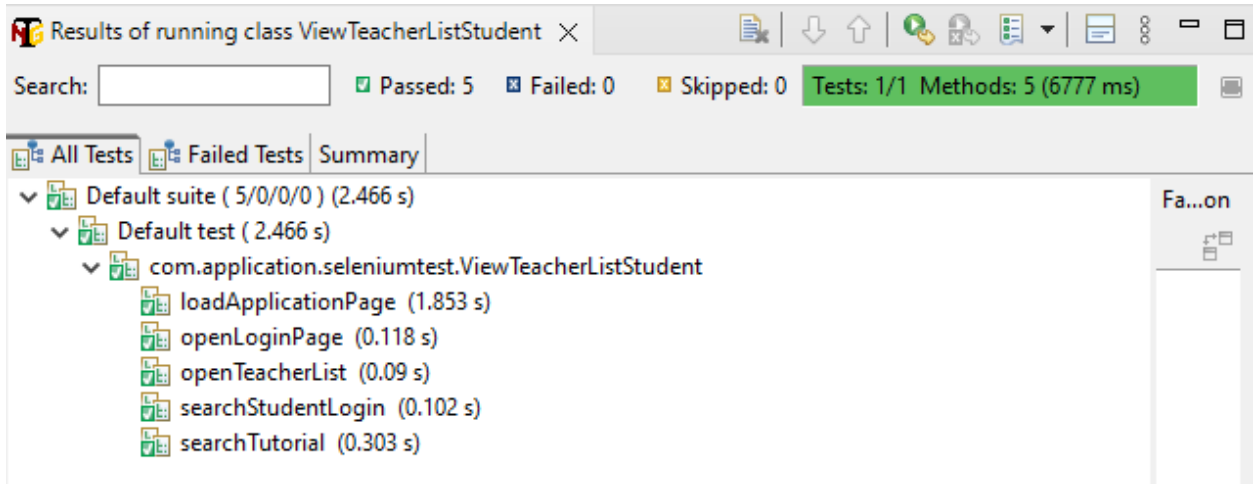
    // Enter Inputs to Login for Student
    @Test
    public void searchTutorial() {
        driver.findElement(By.name("email")).sendKeys("rjpravinrj@gmail.com");
        driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
        driver.findElement(By.tagName("button")).get(1).click();
        System.out.println(driver.getTitle());
    }

    // Click Teacher List
    @Test
    public void openTeacherList() {
        driver.findElement(By.tagName("label")).get(0).click();
        System.out.println(driver.getTitle());
    }

    // Close the Browser
    @AfterClass
    // public void close() {
    //     driver.quit();
    //     driver.close();
    // }
}

```

**Output :**



- **View User(Student) List :**

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewUserListStudent {
    WebDriver driver;

    @BeforeClass
```

```

public void InitializeDriver() {
    System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
    driver = new ChromeDriver();
}

// Load the Application
// To open the web application in a chrome browser
@Test
public void loadApplicationPage() {
    driver.navigate().to("http://localhost:4200/");
}

// Click Login button for Choose
@Test
public void openLoginPage() {
    driver.findElements(By.className("log")).get(2).click();
    System.out.println(driver.getTitle());
}

// Click User(Student) Login for Login
@Test
public void searchStudentLogin() {
    driver.findElements(By.className("detail_3")).get(0).click();
    System.out.println(driver.getTitle());
}

// Enter Inputs to Login for Teacher
@Test
public void searchTutorial() {
    driver.findElement(By.name("email")).sendKeys("rjpravinrj@gmail.com");
    driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
    driver.findElements(By.tagName("button")).get(1).click();
    System.out.println(driver.getTitle());
}

// Click User List
@Test
public void openUserList() {
    driver.findElements(By.tagName("label")).get(0).click();
    System.out.println(driver.getTitle());
}

// Close the Browser
// @AfterClass
// public void close() {
//     driver.quit();
//     driver.close();
// }
}

```

## Output :

The screenshot displays the Eclipse IDE interface. The top window, titled 'Results of running class ViewUserListStudent', shows a summary of test results: 5 tests passed, 0 failed, and 0 skipped, with a total execution time of 6199 ms. Below this, a tree view shows the test structure: 'Default suite (5/0/0/0) (1.927 s)' contains 'Default test (1.927 s)', which in turn contains 'com.application.seleniumtest.ViewUserListStudent'. This class contains five test methods, all of which passed: 'loadApplicationPage (1.291 s)', 'openLoginPage (0.123 s)', 'openUserList (0.111 s)', 'searchStudentLogin (0.108 s)', and 'searchTutorial (0.294 s)'. The bottom window, titled 'Console', shows the execution log. It includes a warning about Selenium CDP version 121 not being found, and a series of 'Virtual Classroom' messages. The test results are listed as 'PASSED: searchTutorial', 'PASSED: searchStudentLogin', 'PASSED: loadApplicationPage', 'PASSED: openUserList', and 'PASSED: openLoginPage'. A summary at the bottom indicates 'Default test: Tests run: 5, Failures: 0, Skips: 0' and 'Default suite: Total tests run: 5, Passes: 5, Failures: 0, Skips: 0'.

Results of running class ViewUserListStudent

Search:  Passed: 5 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 5 (6199 ms)

All Tests Failed Tests Summary

Default suite ( 5/0/0/0 ) (1.927 s)

Default test ( 1.927 s)

com.application.seleniumtest.ViewUserListStudent

- loadApplicationPage (1.291 s)
- openLoginPage (0.123 s)
- openUserList (0.111 s)
- searchStudentLogin (0.108 s)
- searchTutorial (0.294 s)

Virtual Classroom  
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PASSED: searchTutorial  
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Default test  
Tests run: 5, Failures: 0, Skips: 0

Default suite  
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0

## ● View Course List :

```
package com.application.seleniumtest;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class ViewCourseListStudent {
    WebDriver driver;
```

```

@BeforeClass
public void InitializeDriver() {
    System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
    driver = new ChromeDriver();
}

// Load the Application
// To open the web application in a chrome browser
@Test
public void loadApplicationPage() {
    driver.navigate().to("http://localhost:4200/");
}

// Click Login button for Choose
@Test
public void openLoginPage() {
    driver.findElements(By.className("log")).get(2).click();
    System.out.println(driver.getTitle());
}

// Click User(Student) Login for Login
@Test
public void searchStudentLogin() {
    driver.findElements(By.className("detail_3")).get(0).click();
    System.out.println(driver.getTitle());
}

// Enter Inputs to Login for Teacher
@Test
public void searchTutorial() {
    driver.findElement(By.name("email")).sendKeys("rjpravinrj@gmail.com");
    driver.findElement(By.name("pwd")).sendKeys("PravinKumar@11946");
    driver.findElements(By.tagName("button")).get(1).click();
    System.out.println(driver.getTitle());
}

// Click Course List
@Test
public void openCourseList() {
    driver.findElements(By.tagName("button")).get(0).click();
    System.out.println(driver.getTitle());
}

// Close the Browser
// @AfterClass
// public void close() {
//     driver.quit();
//     driver.close();
// }

```

}

## Output :

The screenshot displays the Eclipse IDE interface. The top window, titled "Results of running class ViewCourseListStudent", shows a summary of test results: 5 Passed, 0 Failed, 0 Skipped, and 1/1 Tests, 5 Methods in 5936 ms. Below this, a tree view shows the test structure: Default suite (5/0/0/0) (1.721 s) containing Default test (1.721 s), which in turn contains com.application.seleniumtest.ViewCourseListStudent. This class contains five test methods, all marked as passed: loadApplicationPage (1.135 s), openCourseList (0.016 s), openLoginPage (0.113 s), searchStudentLogin (0.128 s), and searchTutorial (0.329 s). The bottom window, titled "Console", shows the execution log. It includes a warning about Selenium version 121 not being found, with the closest version 120 being used. The log also shows the execution of the five test methods, all of which passed. The final summary indicates that 5 tests were run, all passed, with 0 failures and 0 skips.

```
<terminated> ViewCourseListStudent [TestNG] D:\eclipse-java-2023-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\j
[RemoteTestNG] detected TestNG version 7.4.0
Feb 10, 2024 4:30:35 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 120; Please update to a Selenium version t
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PASSED: loadApplicationPage
PASSED: searchStudentLogin
PASSED: openLoginPage
PASSED: searchTutorial

=====
      Default test
      Tests run: 5, Failures: 0, Skips: 0
=====

Default suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```