



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

Assignment Cover Page

Assignment Title:	Website testing with Selenium		
Assignment No :	01	Date of Submission:	7 November 2022
Course Title:	SOFTWARE QUALITY AND TESTING		
Course Code:	CSC4271	Section:	B
Semester:	Summer	2021-22	Course Teacher: ABHIJIT BHOWMIK

INDIVIDUAL:

Serial no	Name	ID	Program	Signature
1	ISMAIL HOSSAIN PRANTO	19-41088-2	BSc [CSE]	Ismail

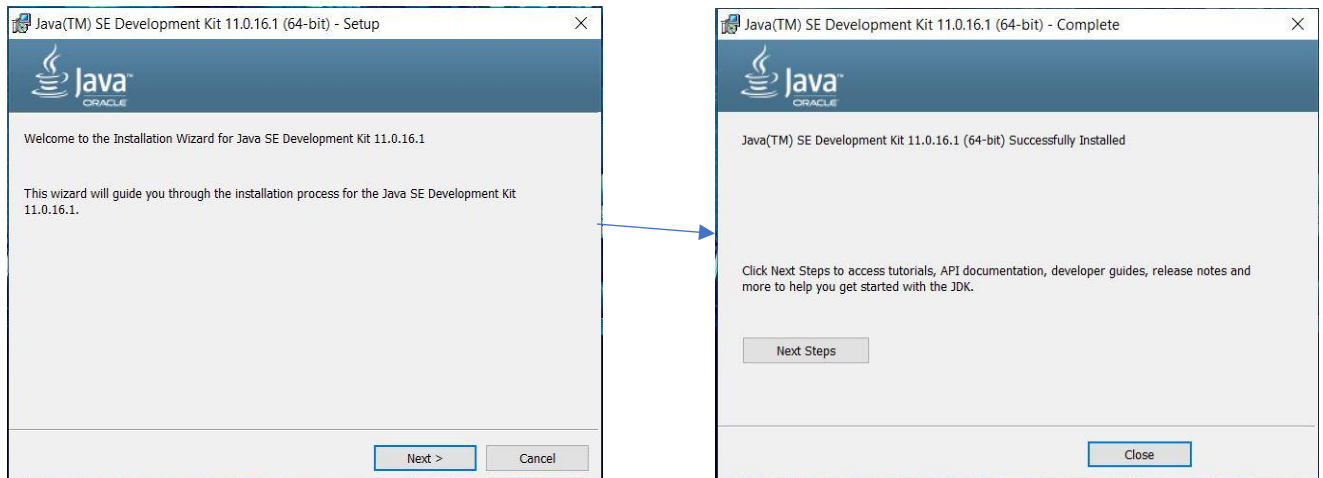
Faculty use only

FACULTYCOMMENTS	Marks Obtained	
	Total Marks	

SETUP:

STEP:1

JAVA JDK AND JRE DOWNLOADING, SETUP PROCESS AND VARIABLE SETUP:



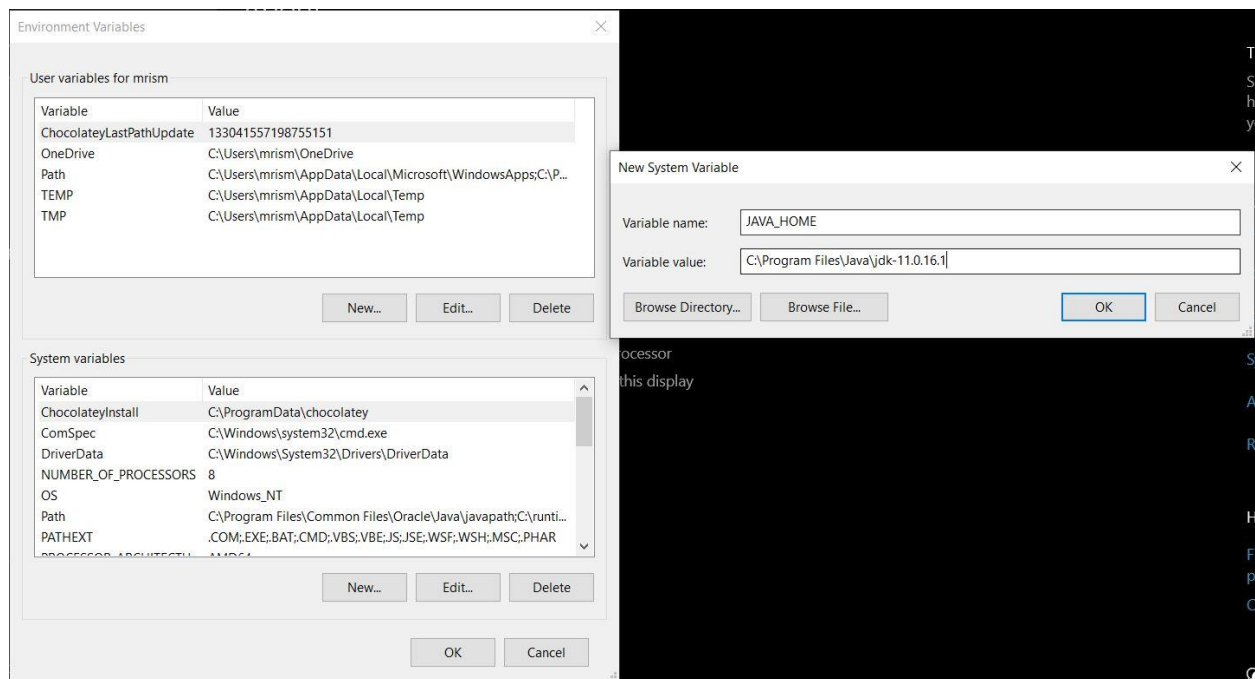
JAVA VERSION CHECK:

```
Command Prompt
Microsoft Windows [Version 10.0.19043.1052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\mrism>java -version
java version "11.0.16.1" 2022-08-18 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.16.1+1-LTS-1)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.16.1+1-LTS-1, mixed mode)

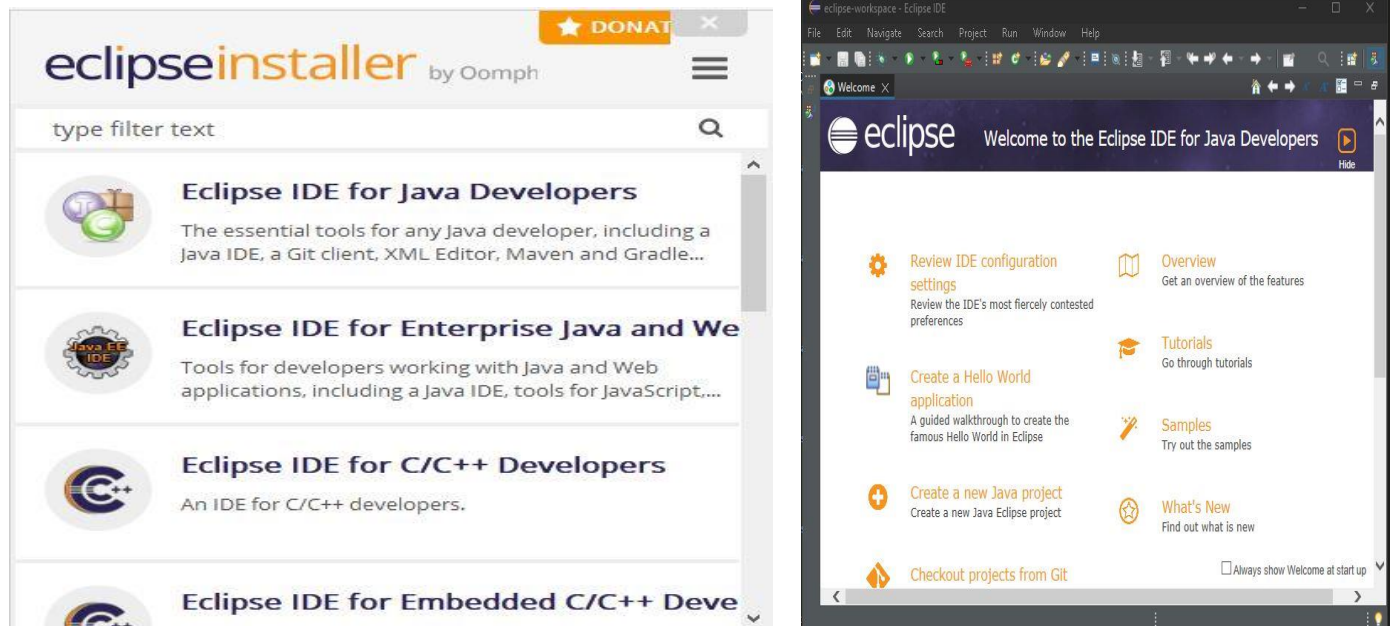
C:\Users\mrism>
```

ENVIRONMENT SETUP with the Path:



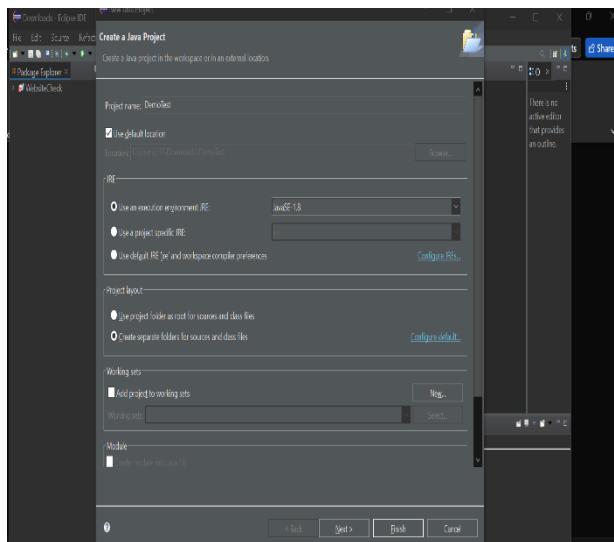
STEP:2

ECLIPSE IDE SET UP AND PROJECT CREATE:

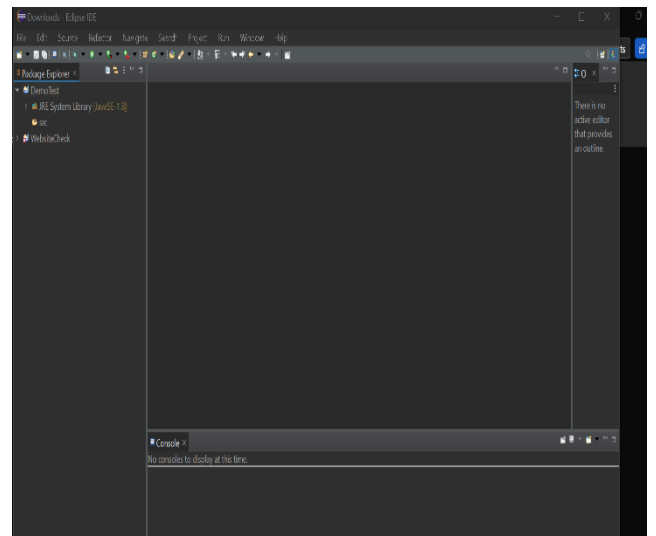


Creating a Java Project:

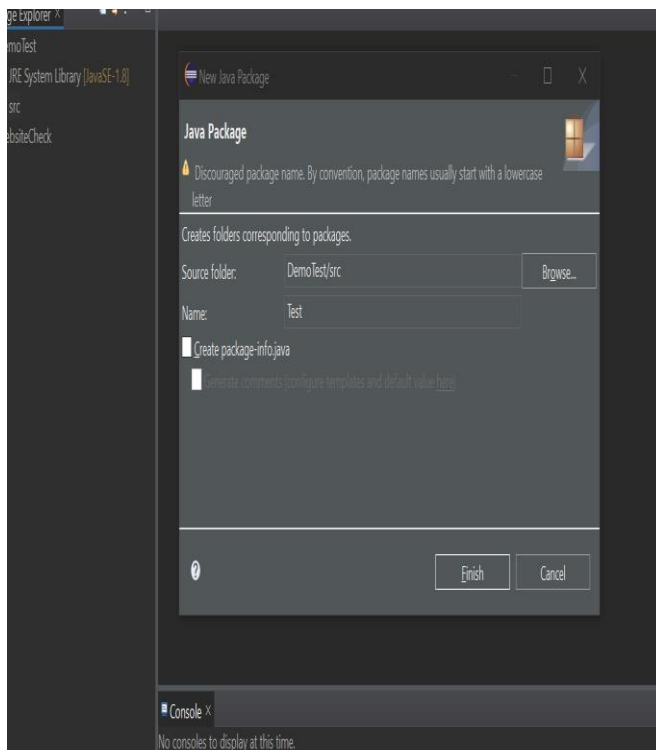
1



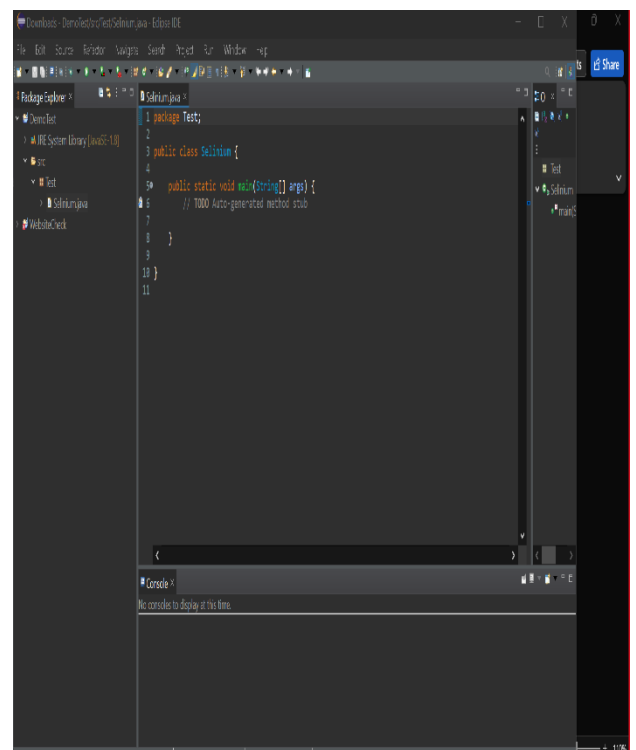
2



3

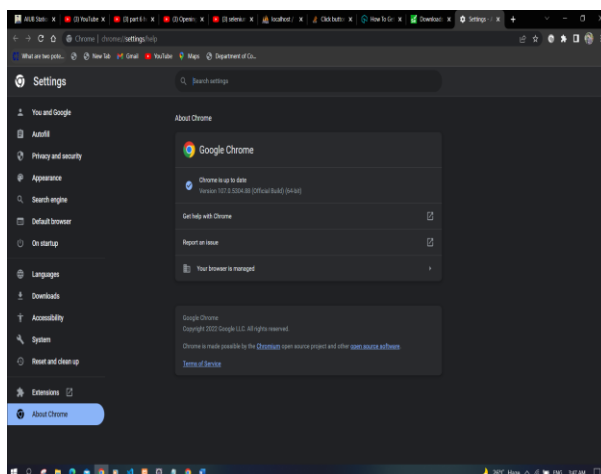
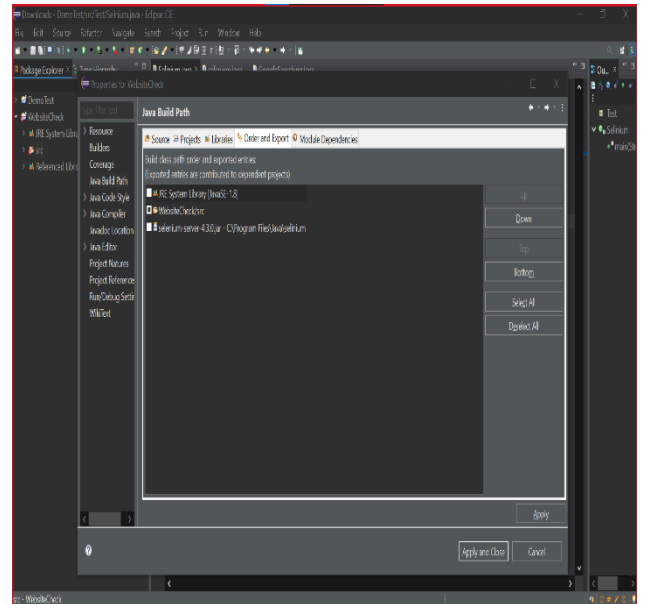
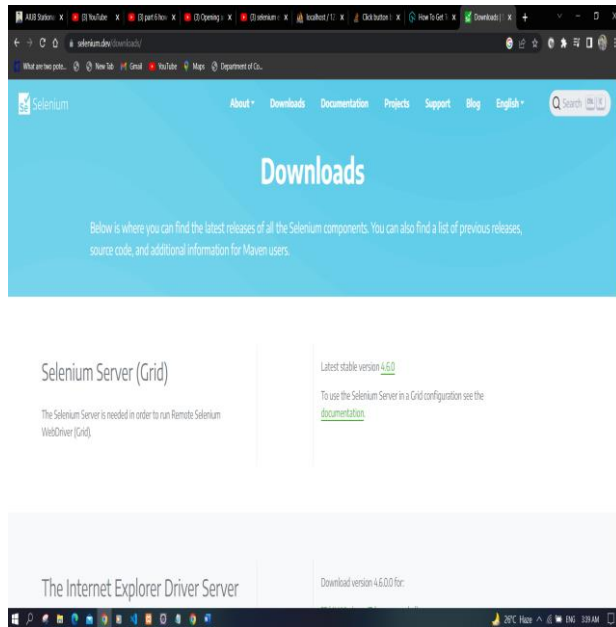


4



STEP:3

SELENIUM IDE AND CHROME DRIVER INSTALLATION and Added downloaded selenium.jar file into Eclipse IDE



chromedriver.exe	10/20/2022 12:46 AM	Application	11,903 KB
chromedriver_win32 (1).zip	11/4/2022 11:40 PM	WinRAR ZIP archive	6,618 KB
eclipse-inst-jre-win64.exe	11/4/2022 8:58 PM	Application	116,678 KB
jdk-11.0.16.1_windows-x64_bin.exe	11/4/2022 11:49 PM	Application	143,925 KB
selenium-server-4.6.0.jar	11/4/2022 11:29 PM	JAR File	28,537 KB

Project Name: AIUB Stationary Online Shop		Test Designed by: ISMAIL HOSSAIN PRANTO		
Test Case ID: OP_1		Test Designed date: 7-11-22		
Test Priority (Low, Medium, High): High		Test Executed by: ISMAIL HOSSAIN PRANTO		
Module Name: Login Session		Test Execution date: 7-11-22		
Test Title: Verify login with valid Email and Password				
Description: Test web application login page				
The precondition (If any): The user must have valid mail and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website or application 2. Enter email 3. Enter the password 4. Click login	Email: mr.ismailhossain123@gmail.com Password: Asol12345678@#	Users should login to the application	As expected	Pass
Post Condition: The user is validated with the database and successfully login to the account. The account session details are logged in the database.				

TESTING WITH ECLIPSE IDE & SELINIUM

AIUB Stationary laravel project check:

```

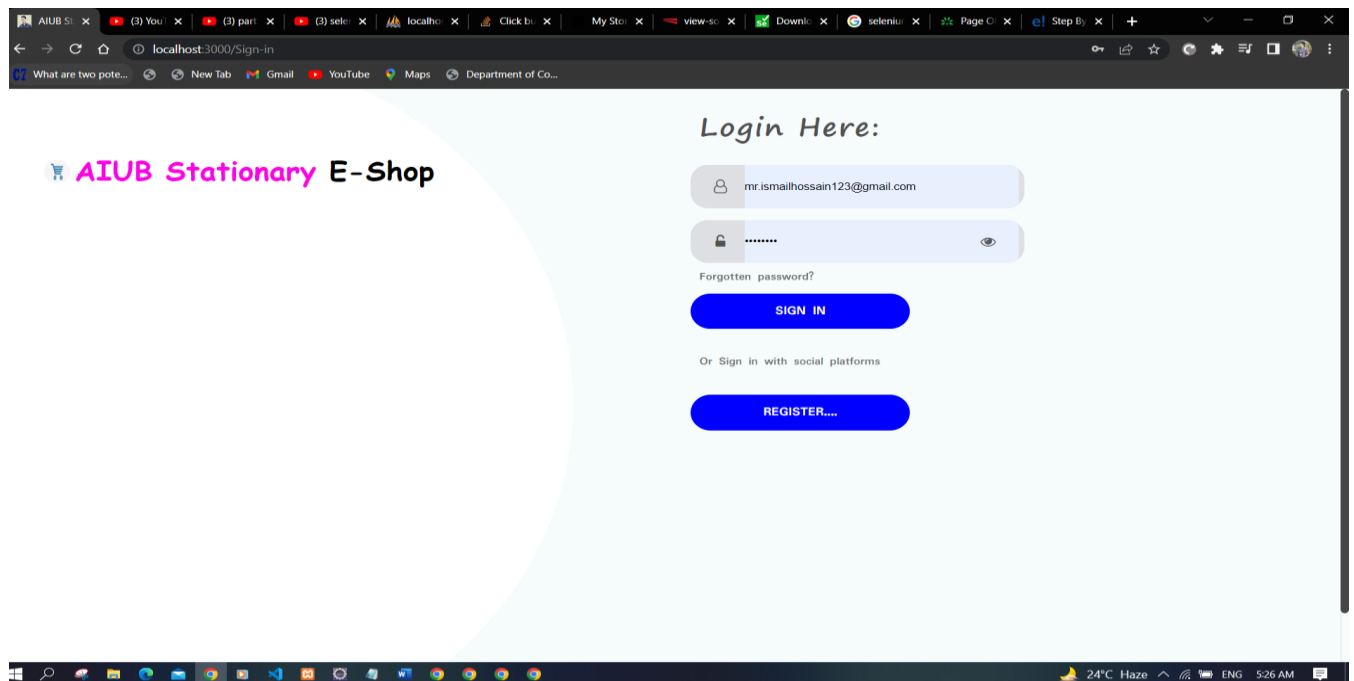
AIUBproject1.java  RemoteWebDriver.class  AIUBproject2.java
1 package AIUBProject;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7
8 public class AIUBproject1 {
9
10     public static void main(String[] args) {
11         //Set the path of executable browser driver
12         System.setProperty("webdriver.chrome.driver", "E:\\SQT ( MEHEDI)\\chromedriver\\chromedriver.exe");
13         WebDriver driver=new ChromeDriver(); //Parent p=new Child (WebDriver is Parent and chrome driver is child)
14         driver.get("http://localhost:3000/#");
15         System.out.println(driver.getTitle());
16         //driver.quit(); //closing browser
17         //click sign in button link
18         //find sign in element
19         driver.findElement(By.LinkText("LOG IN")).click();
20
21         //user name input
22         WebElement inputName = driver.findElement(By.xpath("//*[@placeholder='user name'][@type='text']"));
23         inputName.sendKeys("ismail");
24
25         //pass input
26         driver.findElement(By.id("password")).sendKeys("Asol12345678#");
27
28         WebElement sign_In=driver.findElement(By.className("btn"));
29         sign_In.click();
30         WebElement sign=driver.findElement(By.linkText("MY ORDERS"));
31         //
32         //
33         //WebElement sign_txt=driver.findElement(By.linkText("NEW-ARRIVAL"));
34         //
35         // // WebElement page_header=driver.findElement(By.className("page-heading"));
36         //
37         // String sign_txt=sign.getText();
38         // //String header_text = page_header.getText();
39         System.out.println("Login test Case is Successful");
40
41
42         driver.findElement(By.LinkText("MY ORDERS")).click();
43         System.out.println("MY ORDERS test Case is Successful");
44

```

Problems Javadoc Declaration

AIUBproject1 [Java Application] C:\Users\m...
Starting ChromeDriver 107.0.5304...
Only local connections are allow...
Please see https://chromedriver...
ChromeDriver was started success...
AIUB Stationary E-Shop
Login test Case is Successful

Project Name: AIUB Stationary Online Shop		Test Designed by: ISMAIL HOSSAIN PRANTO		
Test Case ID: OP_2		Test Designed date: 7-11-22		
Test Priority (Low, Medium, High): High		Test Executed by: ISMAIL HOSSAIN PRANTO		
Module Name: Writing on the text box		Test Execution date: 7-11-22		
Test Title: : Writing on the text box with Email and Password				
Description: Test web application login page				
The precondition (If any): The user must have valid mail and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website or application 2. Enter email 3. Enter the password	Email: mr.ismailhossain123@gmail.com Password: Asol12345678@#	Users should written the Password	As expected	Pass
Post Condition: The user has written to the TextBox. The account session details are logged in the database.				



www.automationpractice.com

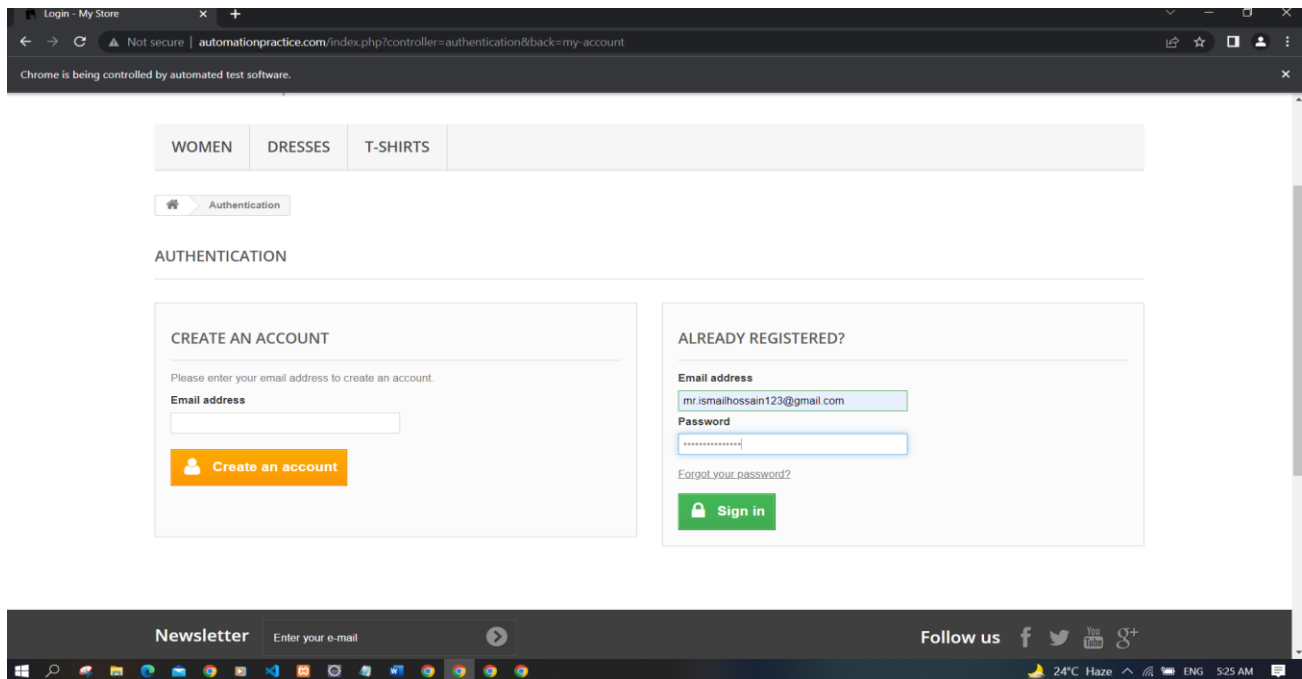
laravel project check:

Project Name: www.automationpractice.com		Test Designed by: ISMAIL HOSSAIN PRANTO		
Test Case ID: OP1_1		Test Designed date: 7-11-22		
Test Priority (Low, Medium, High): High		Test Executed by: ISMAIL HOSSAIN PRANTO		
Module Name: Login Session		Test Execution date: 7-11-22		
Test Title: Verify login with valid Email and Password				
Description: Test web application login page				
The precondition (If any): The user must have valid mail and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website or application 2. Enter email 3. Enter the password 4. Click login	Email: mr.ismailhossain123@gmail.com Password: Asol12345678@#	Users should login to the application	As expected	Pass
Post Condition: The user is validated with the database and successfully login to the account. The account session details are logged in the database.				


```
7
8 public class AIUBproject2 {
9
10     public static void main(String[] args) {
11         //Set the path of executable browser driver
12         System.setProperty("webdriver.chrome.driver", "E:\\SQT ( MEHEDI)\\chromedriver\\chromedriver.exe");
13         WebDriver driver=new ChromeDriver(); //Parent p=new Child (WebDriver is Parent and Chrome driver is child)
14         driver.get("http://www.automationpractice.com");
15         System.out.println(driver.getTitle());
16         //driver.quit(); //closing browser
17         //click sign in button link
18         //find sign in element
19         WebElement element=driver.findElement(By.className("login"));
20         //click on found element
21         element.click();
22
23         //enter 'test@email
24         //find email address text box
25         element=driver.findElement(By.id("email"));
26         //enter text
27         element.sendKeys("mr.ismailhossain123@gmail.com");
28
29         driver.findElement(By.id("passwd")).sendKeys("Asol12345678@#");
30
31         driver.findElement(By.id("SubmitLogin")).click();
32
33         WebElement signout_button=driver.findElement(By.className("logout"));
34         WebElement page_header=driver.findElement(By.className("page-heading"));
35
36         String signout_button_txt=signout_button.getText();
37         String header_text = page_header.getText();
38
39
40         System.out.println(signout_button_txt);
41         System.out.println(header_text);
42
43         if(signout_button_txt.equals("Sign out"))
44         {
45             System.out.println("Login Test Case is Passed");
46         }
47         else
48         {
49             System.out.println("Login Test Case is Failed");
50     }
```

```
<terminated> AIUBproject2 [Java Appl
Starting ChromeDriver 107.0.1
Only local connections are a
Please see https://chromedr
ChromeDriver was started suc
My Store
Sign out
MY ACCOUNT
Login Test Case is Passed
```


Project Name: www.automationpractice.com		Test Designed by: ISMAIL HOSSAIN PRANTO		
Test Case ID: OP1_2		Test Designed date: 7-11-22		
Test Priority (Low, Medium, High): High		Test Executed by: ISMAIL HOSSAIN PRANTO		
Module Name: Text Box Session		Test Execution date: 7-11-22		
Test Title: Verify the textbox with Email and Password				
Description: Test web application login page				
The precondition (If any): The user must have valid mail and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website or application 2. Enter email 3. Enter the password	Email: mr.ismailhossain123@gmail.com Password: Asol12345678@#	Users should login to the application	As expected	Pass
Post Condition: The user is validated with the database and successfully written on the account. The account session details are logged in the database.				



Project Name: www.automationpractice.com		Test Designed by: ISMAIL HOSSAIN PRANTO		
Test Case ID: OP1_3		Test Designed date: 7-11-22		
Test Priority (Low, Medium, High): High		Test Executed by: ISMAIL HOSSAIN PRANTO		
Module Name: Buttons working Session		Test Execution date: 7-11-22		
Test Title: Verify that buttons are working properly				
Description: Test web application after login page				
The precondition (If any): The user must have the button which is working				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website or application 2. Enter email 3. Enter the password 4. Click login 5. click the T-Shirt button	Button: T-Shirt	Users should login to the application	As expected	Pass
Post Condition: The user is validated with the database and successfully login to the account. Then click on the t-shirt button. The account session details are logged in the database.				



Cart (empty)

WOMEN
DRESSES
T-SHIRTS

Home > Women > Tops > T-shirts

CATALOG

Size

☐ S (1) ☐ M (1)

☐ L (1)

Color

☒ Orange (1) ☐ Blue (1)

Compositions

☐ Cotton (1)

Styles

☐ Casual (1)

Properties

☐ Short Sleeve (1)

Availability

☐ In stock (1)

Manufacturer


☐ Fashion Manufacturer (1)

Condition

☐ New (1)

T-shirts


The must have of your wardrobe, take a look at our different colors, shapes and style of our collection!



T-SHIRTS

Sort by --

Showing 1 - 1 of 1 item




There is 1 product.

View ☒ Grid ☐ List


Compare (0) >

Project Name: www.automationpractice.com		Test Designed by: ISMAIL HOSSAIN PRANTO		
Test Case ID: OP1_4		Test Designed date: 7-11-22		
Test Priority (Low, Medium, High): High		Test Executed by: ISMAIL HOSSAIN PRANTO		
Module Name: Searching Session are working		Test Execution date: 7-11-22		
Test Title: Verify that buttons are working properly				
Description: Test web application after login page then search				
The precondition (If any): The user must have the searching option which is working				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website or application 2. Enter email 3. Enter the password 4. Click login 5. click the search option	Search: Dress	Users should login to the application	As expected	Pass
Post Condition: The user is validated with the database and successfully login to the account. Then click on the search button. The account session details are logged in the database.				




Cart (empty)

WOMEN | DRESSES | T-SHIRTS




Printed Chiffon Dress
Printed chiffon knee length dress with tank straps. Deep v neckline...

\$16.40




Printed short sleeve t-shirt
Printed short sleeve t-shirt with high neckline. Soft and stretchy...

\$16.55




Blouse
Short sleeved blouse with feminine draped sleeve detail.

\$27.00




Printed Summer Dress
Long printed dress with thin adjustable straps. V-neckline and wrap...

\$28.98



Printed Dress
100% cotton double printed dress. Black and white striped top and orange...

\$26.00




Printed Summer Dress
Sleeveless knee-length chiffon dress. V-neckline with elastic under the...

\$30.50

SEARCH "PRINTED DRESS"

Sort by


Showing 1 - 5 of 5 items



Printed Summer Dress

\$28.98 ~~\$30.50~~ **-5%**


In stock



Printed Dress

\$50.99


In stock




Printed Chiffon Dress

\$16.40 ~~\$20.50~~ **-20%**

In stock



Printed Summer Dress



Printed Dress

5 results have been found.

View Grid List

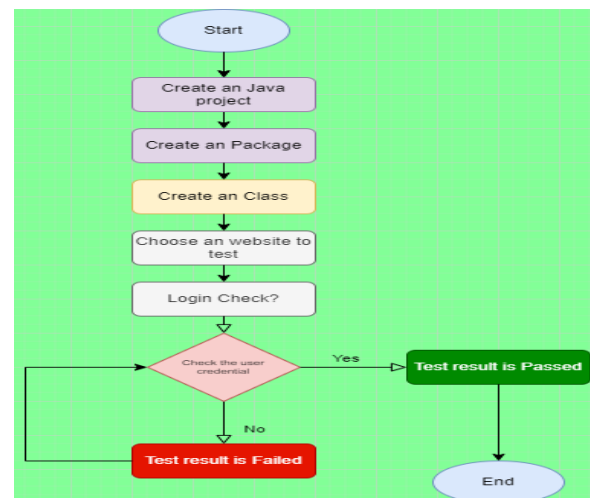
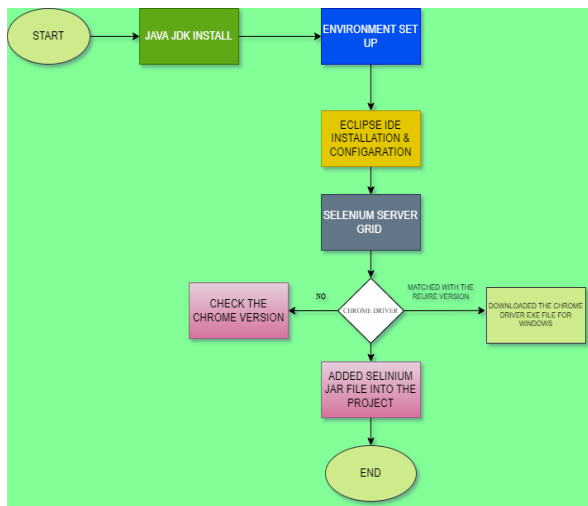
Compare (0)

Database Check:

	id	U_Name	U_phone	U_address	U_username	U_email	U_password	Usertype	U_profileimg	created_at	updated
<input type="checkbox"/>	1	Ismail Pranto	01951766011	Gulshan badda link road	Ismail	mr.ismailhossain123@gmail.com	Asol12345678#	Admin	pro.png	2022-08-09 05:34:07	2022-08-05:34:07
<input type="checkbox"/>	8	Ismail Prant	01951766012	Gulshan badda lin	Ismail	mr.ismailhossain12@gmail.com	Asol12345678#	Customer	Ismail.jpg	2022-08-09 05:43:41	2022-08-03:31:43
<input type="checkbox"/>	78	Ismail Prantoo	01951767011	Gulshan badda lik road	ismailhoss	mr.ismailhossain111@gmail.com	Asol4658@3	Customer	pro.png	2022-08-09 10:31:51	2022-08-10:31:51
<input type="checkbox"/>	80	Tushar Islam	01951768011	Gulshan badda link road	Tushar	t@gmail.com	Tushar@1234	Customer	pro.png	2022-08-09 11:24:31	2022-08-11:24:31
<input type="checkbox"/>	81	Ismail Pranto	01951766033	Gulshan badda link road	pranto	mr.ismailhossain1233@gmail.com	Asol4658@#	Customer	pro.png	2022-08-10 03:28:34	2022-08-03:28:34

☐ Check all With selected: Edit Copy Delete Export

FLOWCHART AND DESCRIPTION:



Description:

First, we need to download the jdk and Jre file. Then we need to set-up the environment variable for the Java. We have downloaded the Eclipse IDE for Java. After Downloading the eclipse IDE. We need to download the selenium grid server. We also downloaded the Chrome driver. For Chrome driver We need to check the Chrome version.

we must open the Eclipse IDE. Then we have created an project. Under the project file, we have created an package, then we have created an class. For testing purpose, we have choosen LinkedIn Website. The test result was passed whenever the email and password are matched. If the username and password didn't match the test result was failed.

