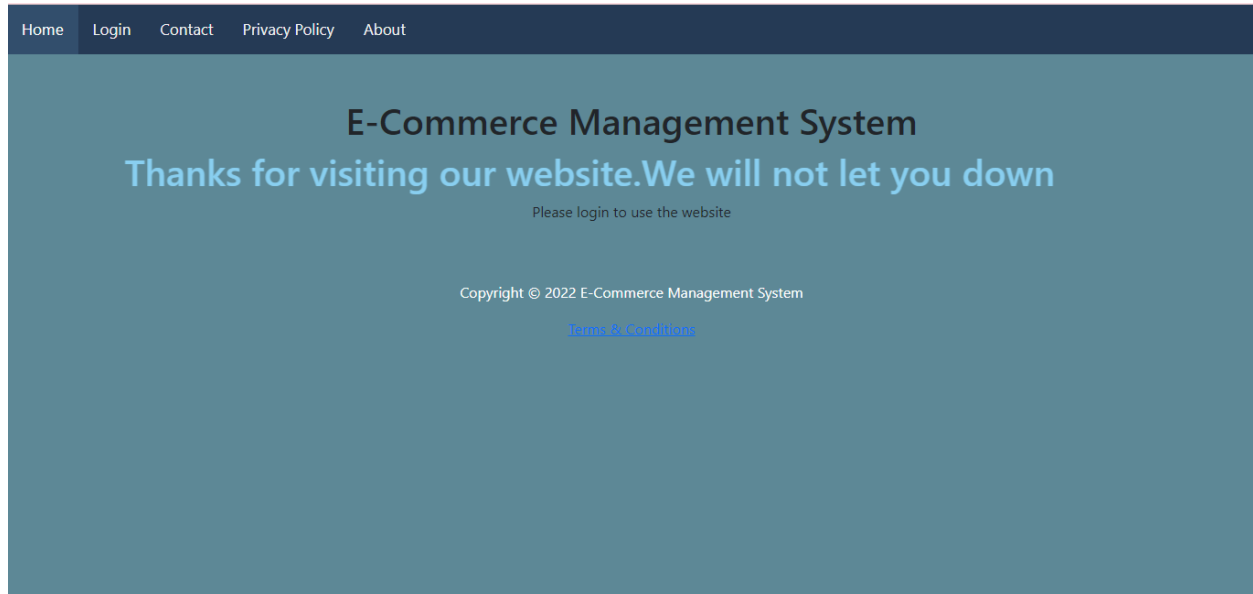


Select a Web Application Module Which Will be Tested

1. For testing purposes, we select a web application titled “E-Commerce Management System”. We are going to test some module of this application.



1. Check the Login Module:

Required Code:

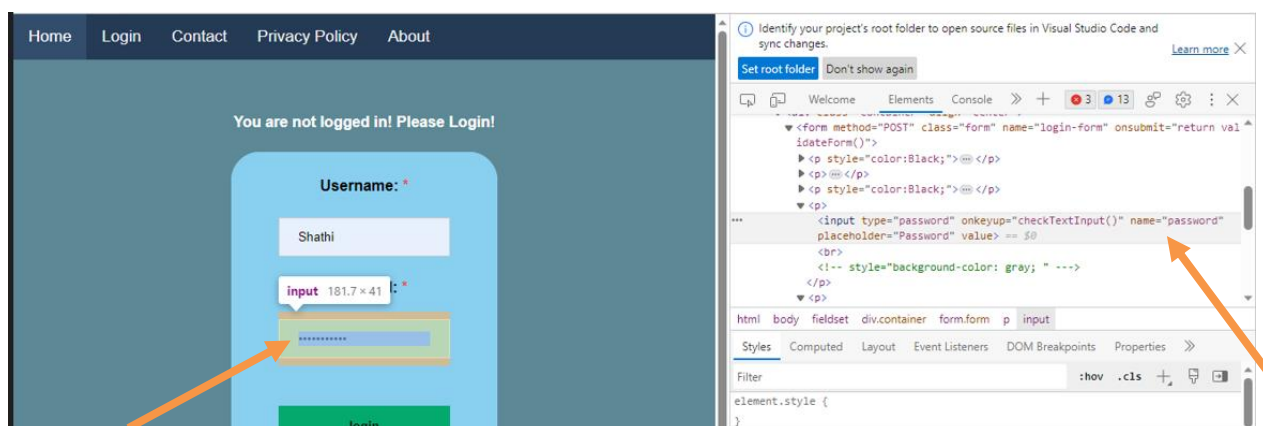
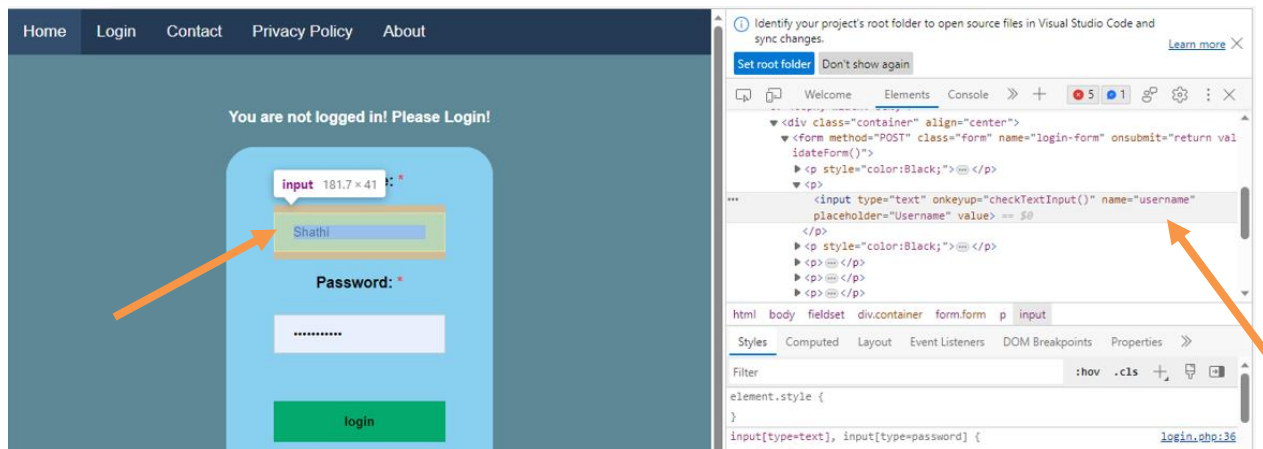
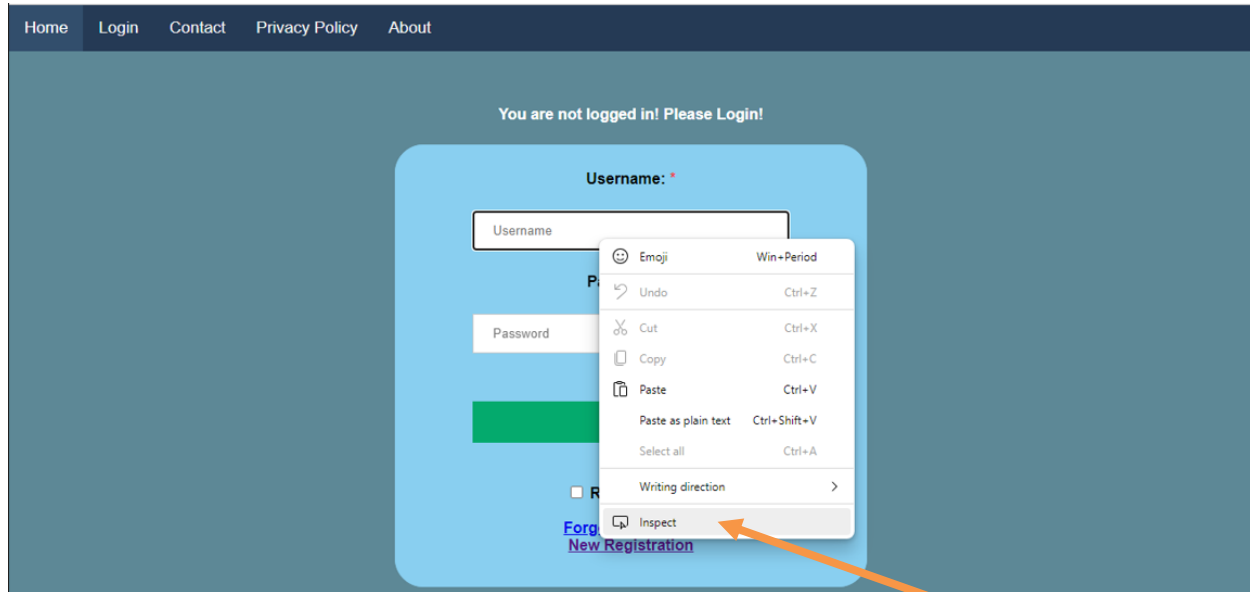
1. In this stage, we write the required code for test execution. Here is the code for login module

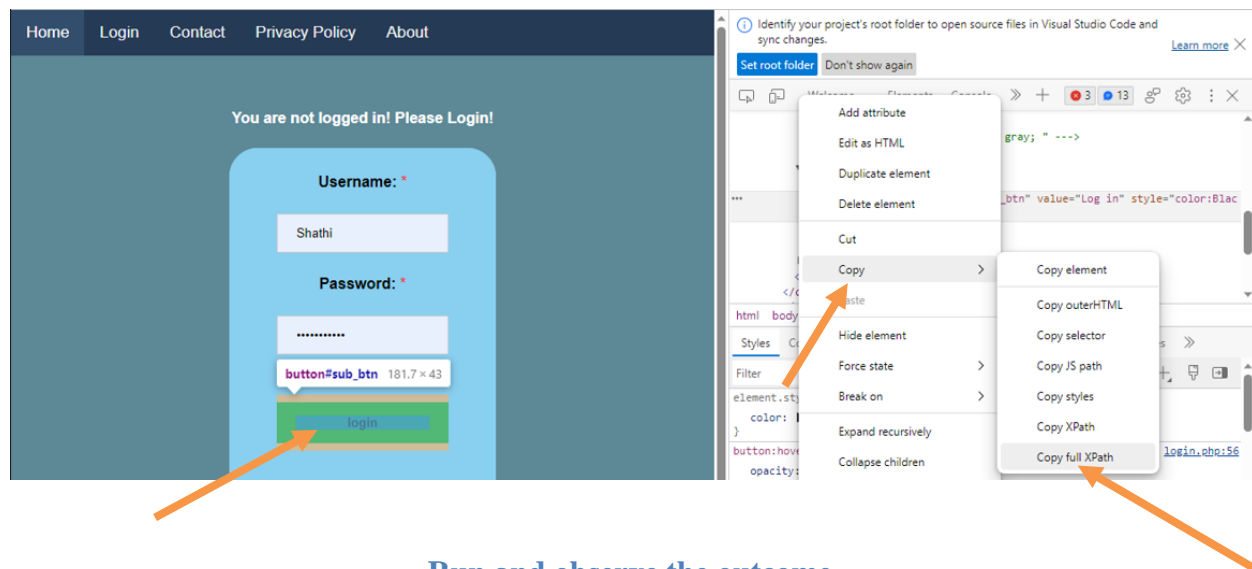
```
package teseWeb;
import org.openqa.selenium.By;
import org.openqa.selenium.edge.EdgeDriver;

public class ready {
    public static void main(String[] args) {

        System.setProperty("webdriver.edge.driver", "F:\\\\DOWNLOADS\\\\edgedriver_win64\\\\msedgedriver.exe");
        EdgeDriver driver = new EdgeDriver();
        driver.get("http://localhost/Final Project/view/login.php");
        driver.manage().window().maximize();
        driver.findElement(By.name("username")).sendKeys("Shathi");
        driver.findElement(By.name("password")).sendKeys("Amishathi#0");
        driver.findElement(By.xpath("/html/body/fieldset/div/form/p[5]/button")).click();
        System.out.println("Login Test Successful");
    }
}
```

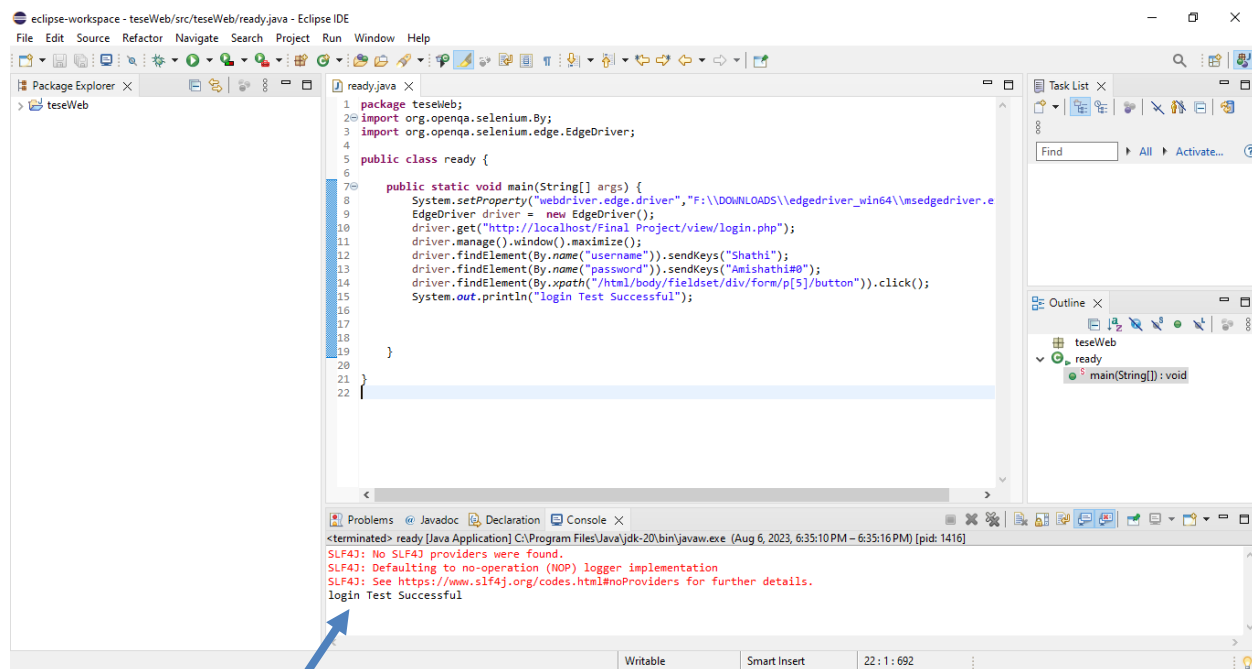
Testing Process: Here we have attached the snapshot of step by step of testing process. First, we need to go to the web page. Then select the field and right-click on that field. Go to Inspect then the respective field's elements window appears to us and we can easily find the name which we need and copy that.





Run and observe the outcome

After code written click on the run button, for a very short time login page appear to us. Username, password field will fill-up with respectively which defined in code. Lastly submit button automatically clicked and successfully login into the website. In the Console section of Eclipse IDE "Login Test Successful" text will be appeared. That's mean our testing process is successful.



2. Check the Registration Module without input:

Required Code:

1. In this stage, we write the required code for test execution. Here is the code for registration module.

```
package teseWeb;
import org.openqa.selenium.By;
import org.openqa.selenium.edge.EdgeDriver;

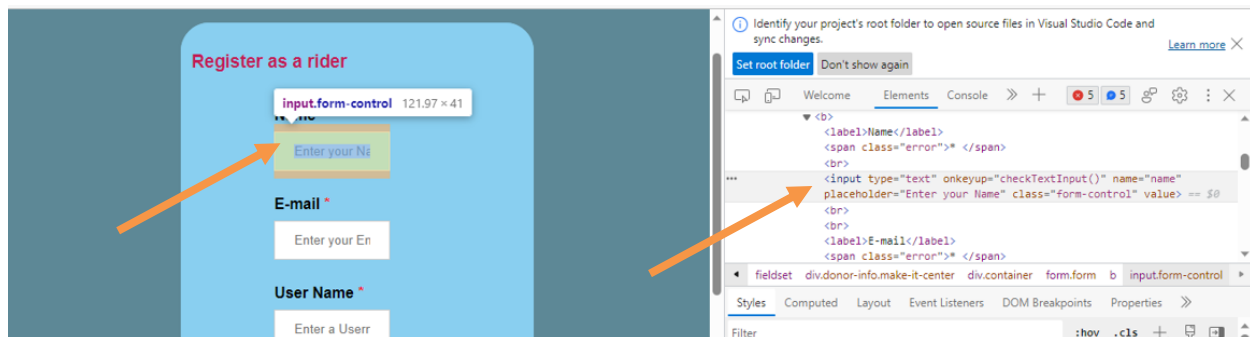
public class ready {

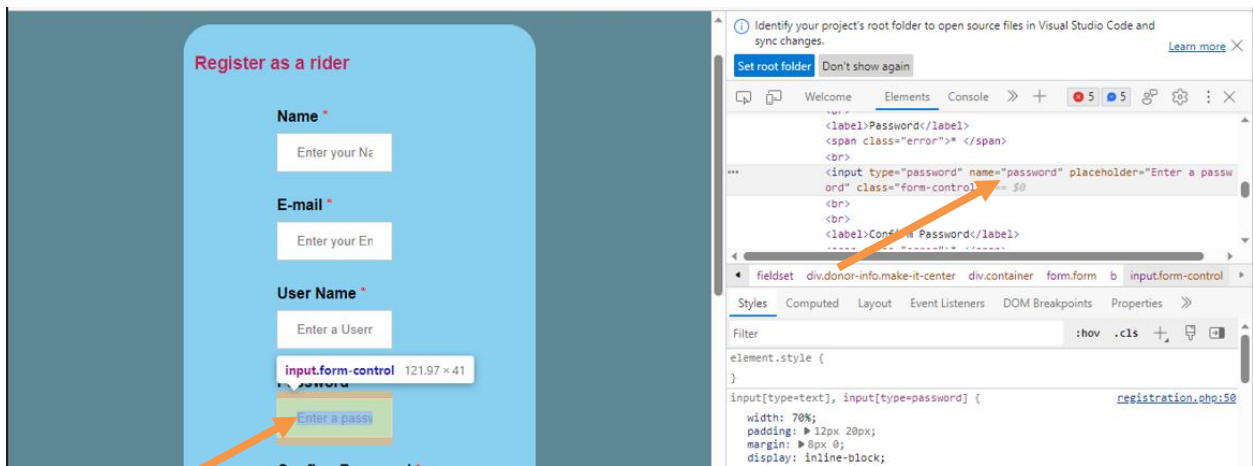
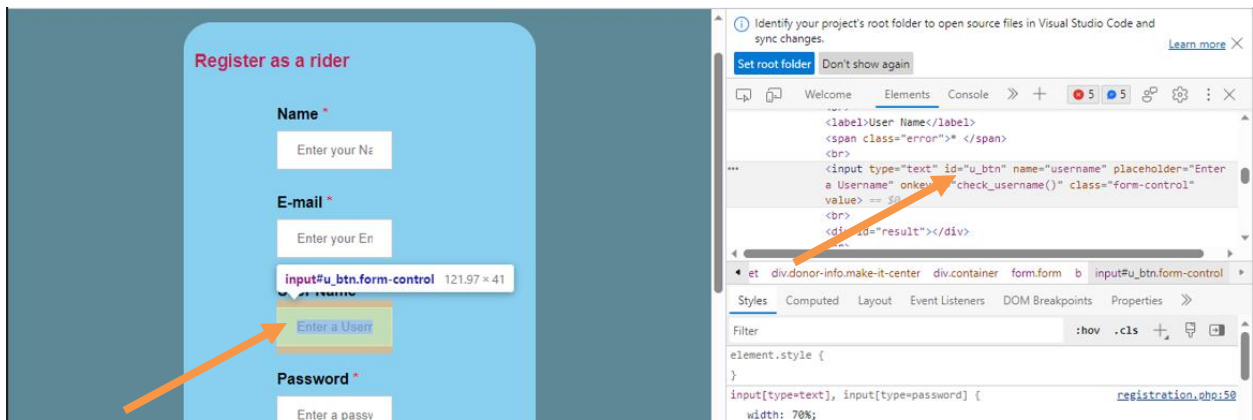
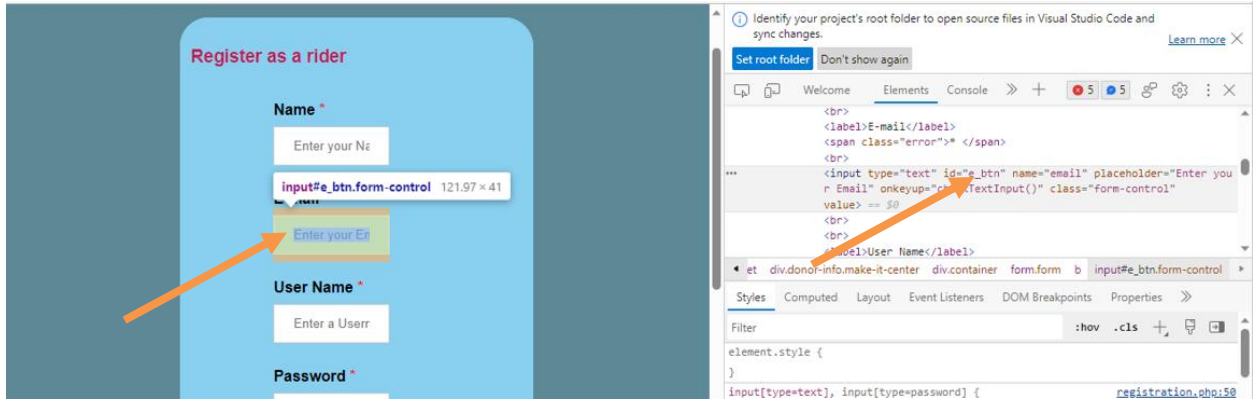
    public static void main(String[] args) {

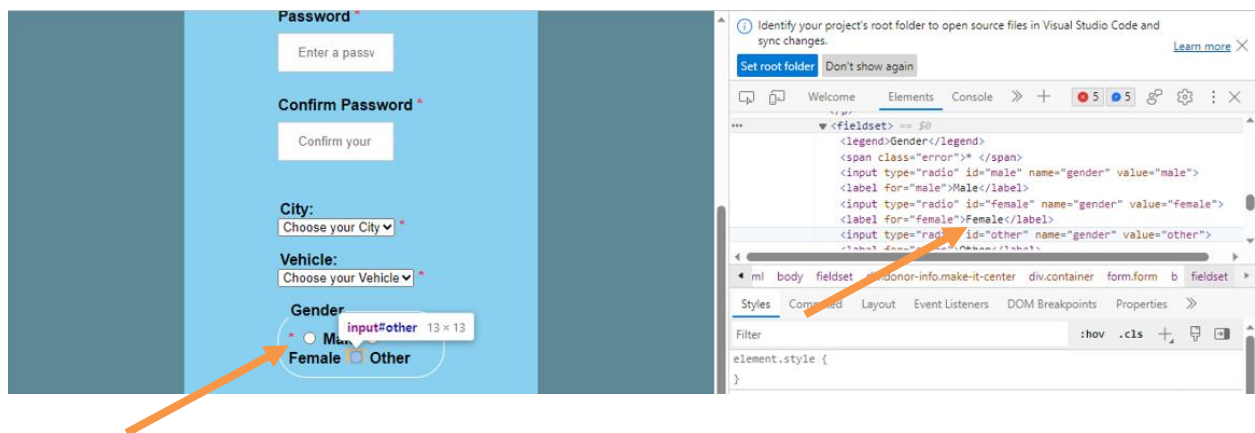
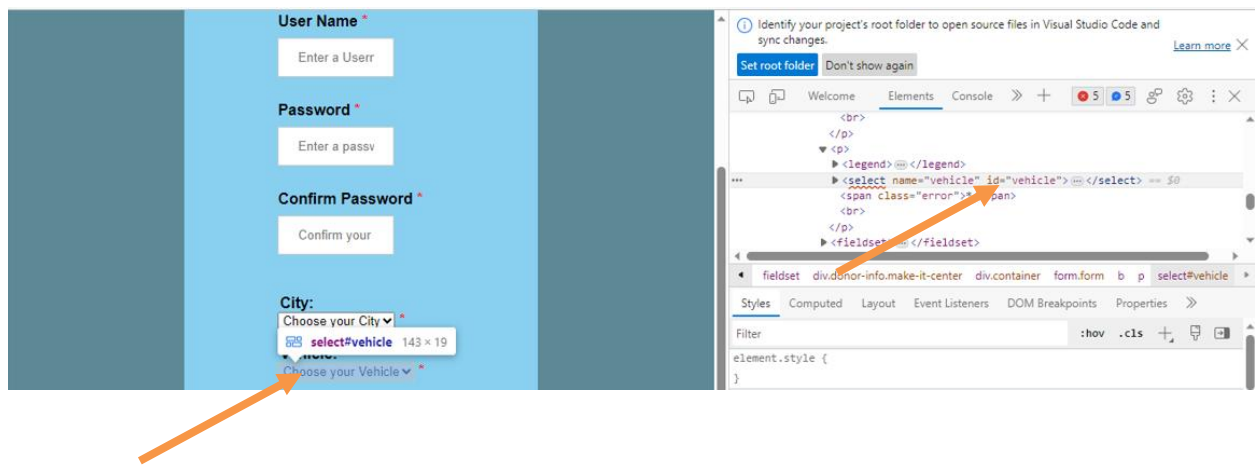
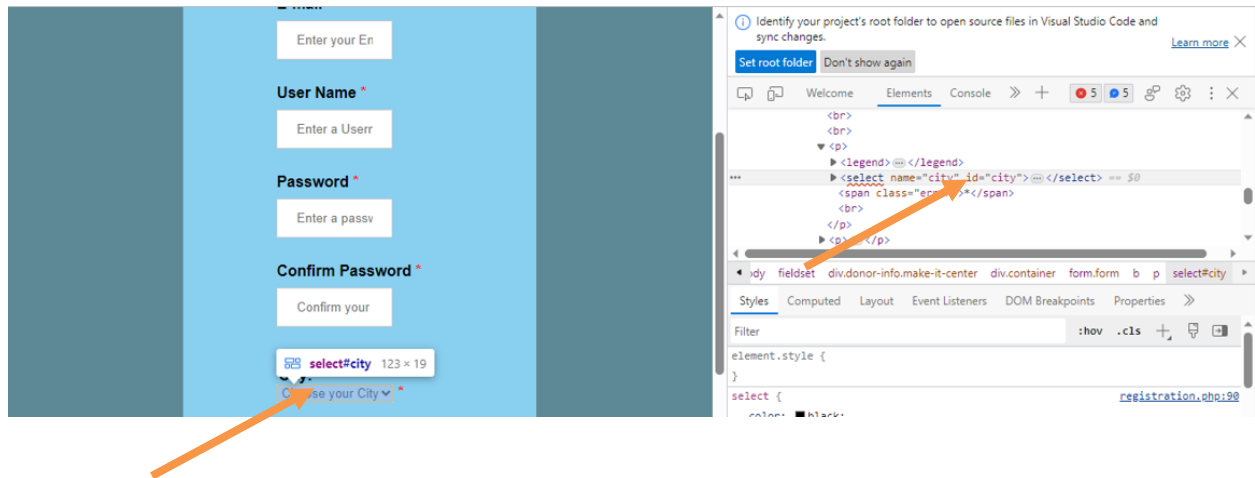
        System.setProperty("webdriver.edge.driver", "F:\\\\DOWNLOADS\\\\edgedriver_win64\\\\msedgedriver.exe");
        EdgeDriver driver = new EdgeDriver();
        driver.get("http://localhost/Final Project/view/registration.php");
        driver.manage().window().maximize();
        driver.findElement(By.name("name"));
        driver.findElement(By.id("e_btn"));
        driver.findElement(By.id("u_btn"));
        driver.findElement(By.name("password"));
        driver.findElement(By.name("cnfrmPass"));
        driver.findElement(By.id("city"));
        driver.findElement(By.id("vehicle"));
        driver.findElement(By.id("male"));
        driver.findElement(By.id("female"));
        driver.findElement(By.id("other"));
        driver.findElement(By.name("dob"));
        driver.findElement(By.xpath("/html/body/fieldset/div/div/form/b/button")).click();
        System.out.println("Registration Test Successful");

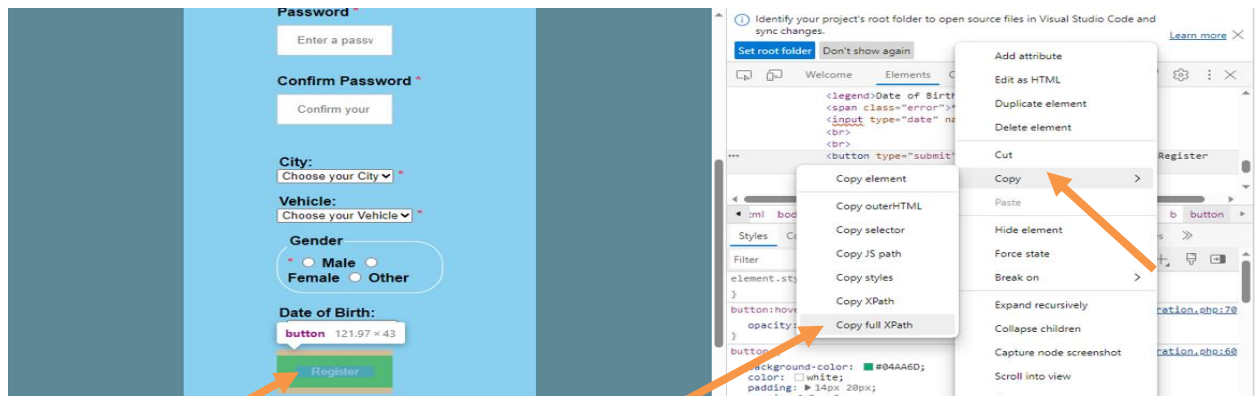
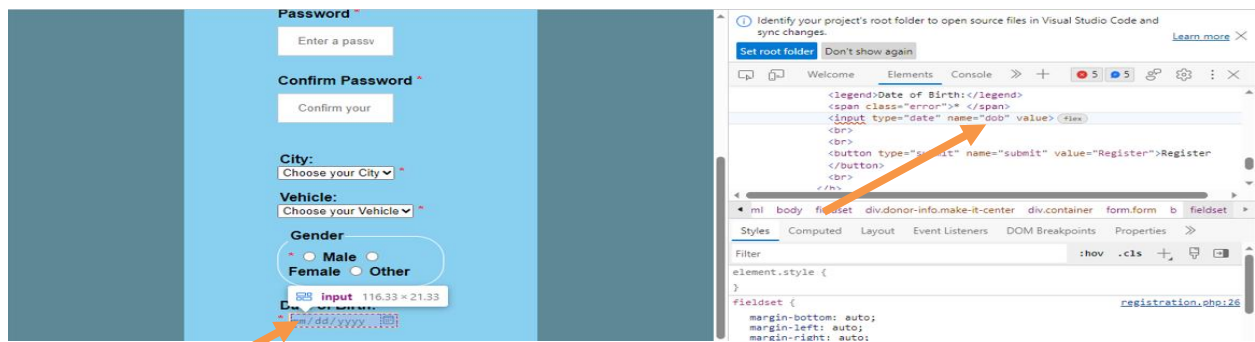
    }
}
```

Testing Process: Here we have attached the snapshot of step by step of testing process. First, we need to go to the web page. Then select the field and right-click on that field. Go to Inspect then the respective field's elements window appears to us and we can easily find the name and the id which we need and copy that.

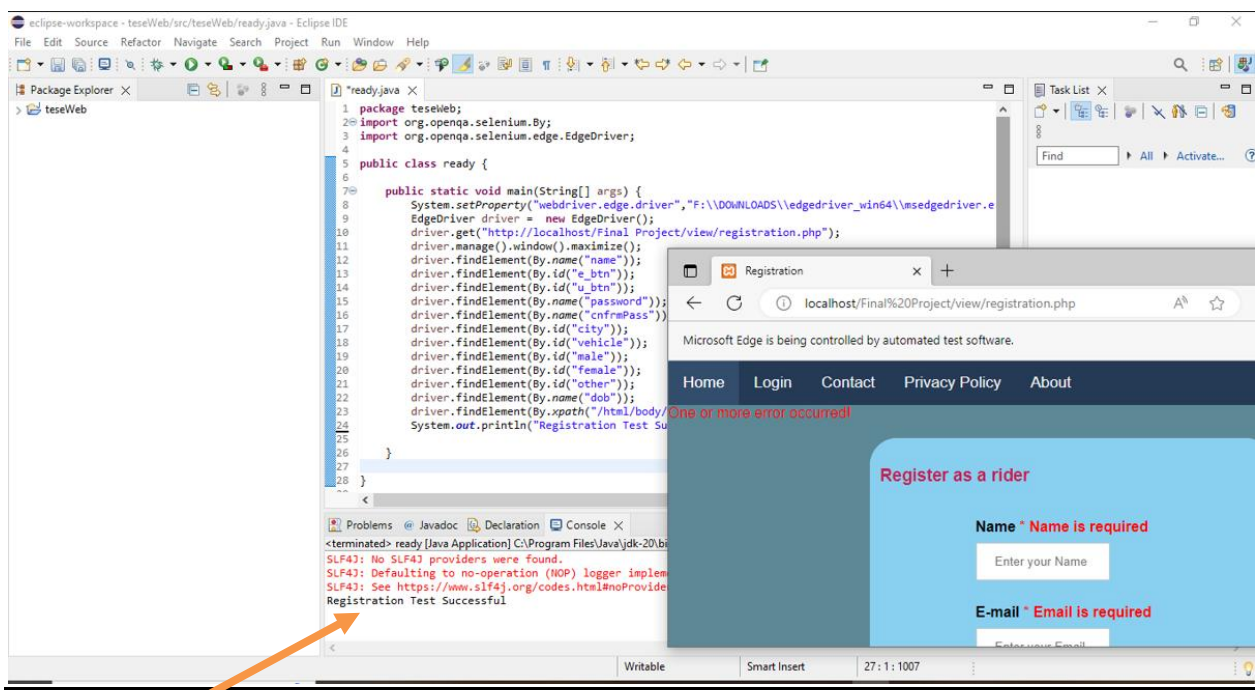








Run and observe the outcome



As I didn't add any sendkeys, that's why the inputs are empty

The screenshot shows a web application with a dark blue header containing links: Home, Login, Contact, Privacy Policy, and About. Below the header, a red error message reads "One or more error occurred!". The main content area features a light blue rounded rectangle titled "Register as a rider". Inside this rectangle, there are five input fields, each with a red error message above it: "Name * Name is required", "E-mail * Email is required", "User Name * Username is required", "Password * Password is required", and "Confirm Password *". Each input field has a placeholder text: "Enter your Name", "Enter your Email", "Enter a Username", "Enter a password", and "Confirm your password".

3. Check the Forgot Password Module

Required Code:

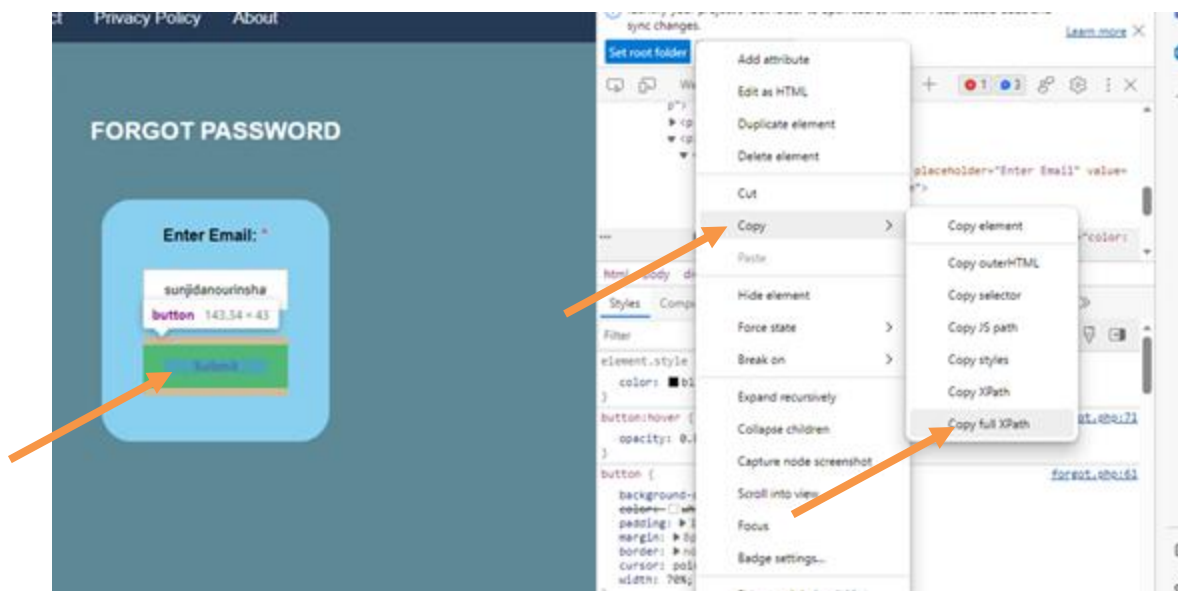
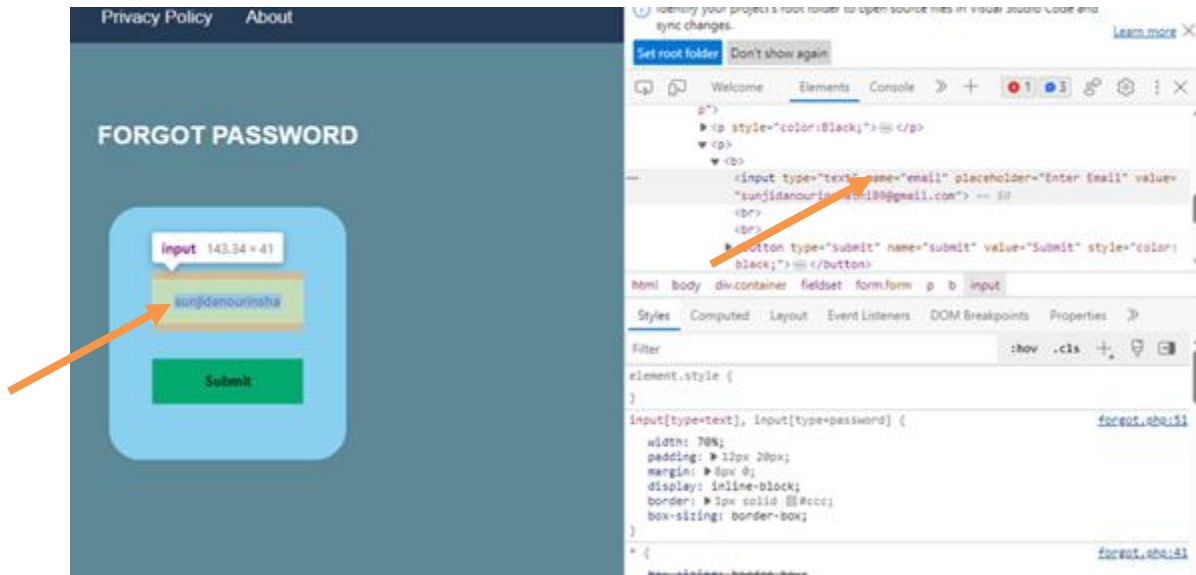
1. In this stage, we write the required code for test execution. Here is the code for Forgot Password module

```
package teseWeb;
import org.openqa.selenium.By;
import org.openqa.selenium.edge.EdgeDriver;

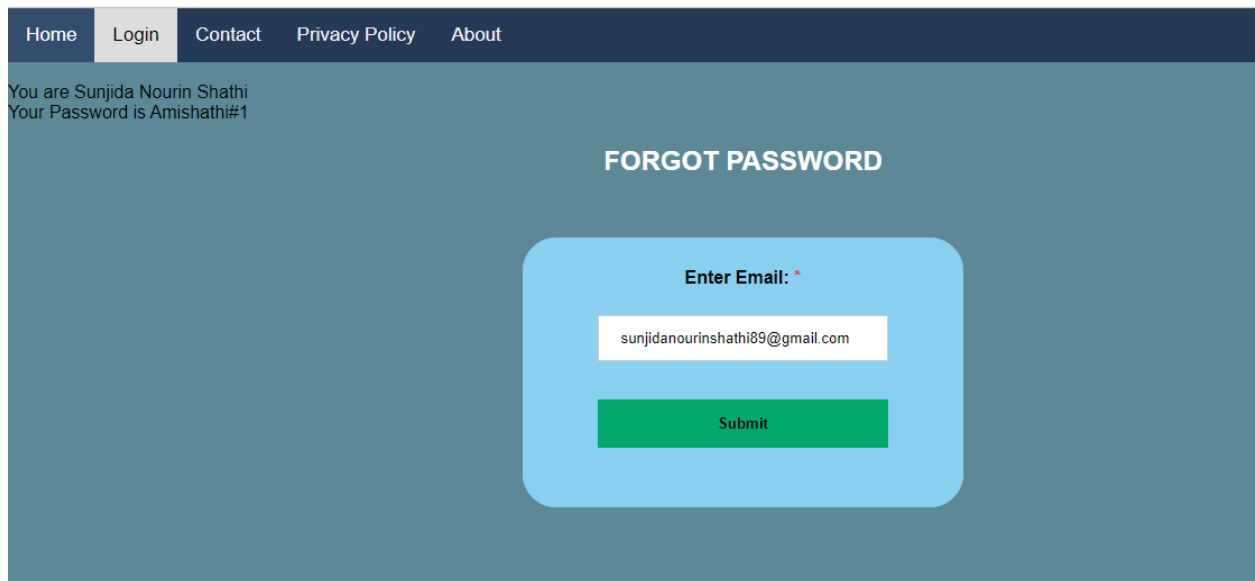
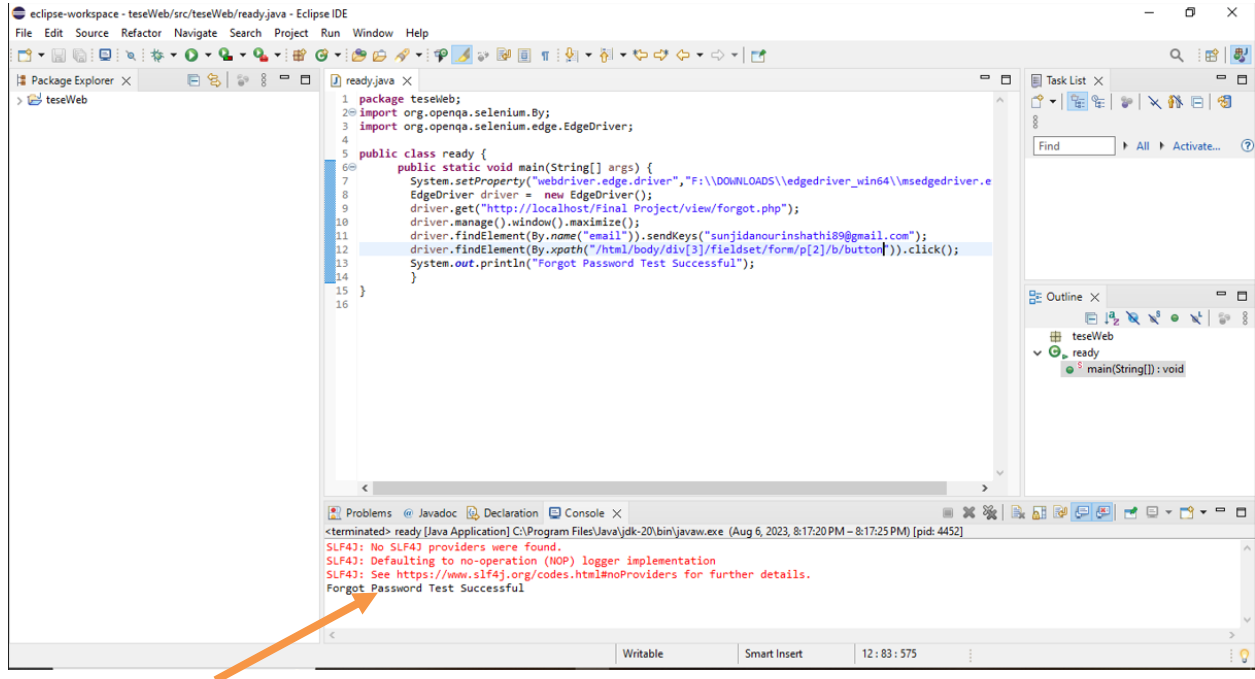
public class ready {
    public static void main(String[] args) {

        System.setProperty("webdriver.edge.driver", "F:\\\\DOWNLOADS\\\\edgedriver_win64\\\\msedgedriver.exe");
        EdgeDriver driver = new EdgeDriver();
        driver.get("http://localhost/Final Project/view/forgot.php");
        driver.manage().window().maximize();
        driver.findElement(By.name("email")).sendKeys("sunjidanourinshathi89@gmail.com");
        driver.findElement(By.xpath("/html/body/div[3]/fieldset/form/p[2]/b/button")).click();
        System.out.println("Forgot Password Test Successful");
    }
}
```


Testing Process: Here we have attached the snapshot of step by step of testing process. First, we need to go to the web page. Then select the field and right-click on that field. Go to Inspect then the respective field's elements window appears to us and we can easily find the name and the id which we need and copy that.



Run and observe the outcome



4. Check the Change Password Module

Required Code:

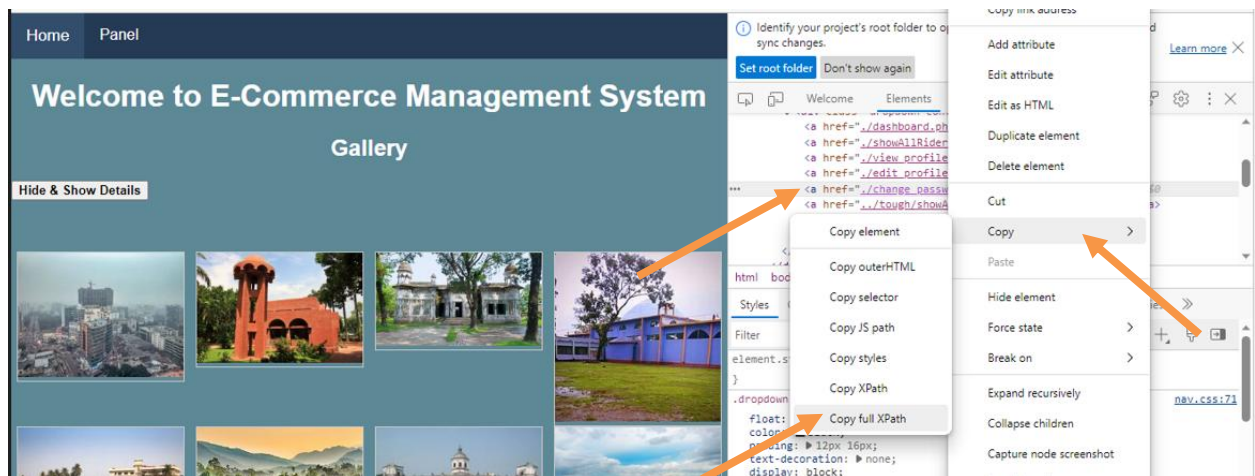
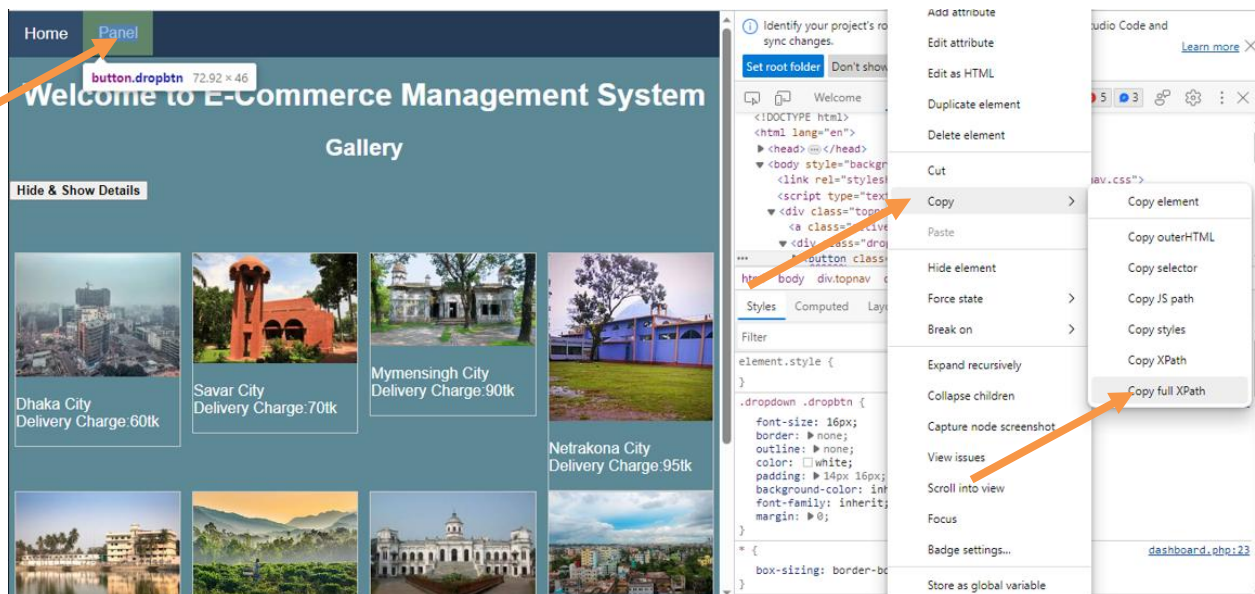
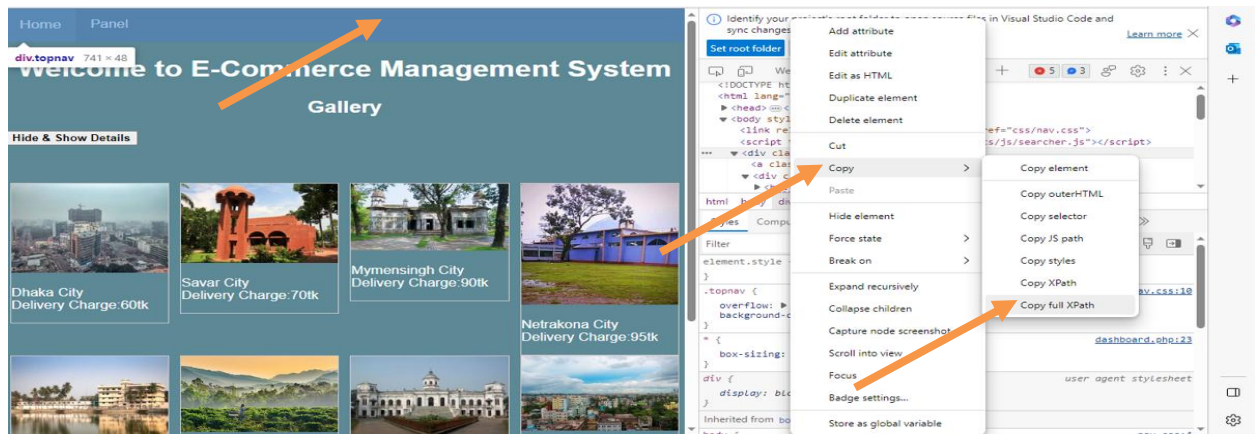
1. In this stage, we write the required code for test execution. Here is the code for Change Password module

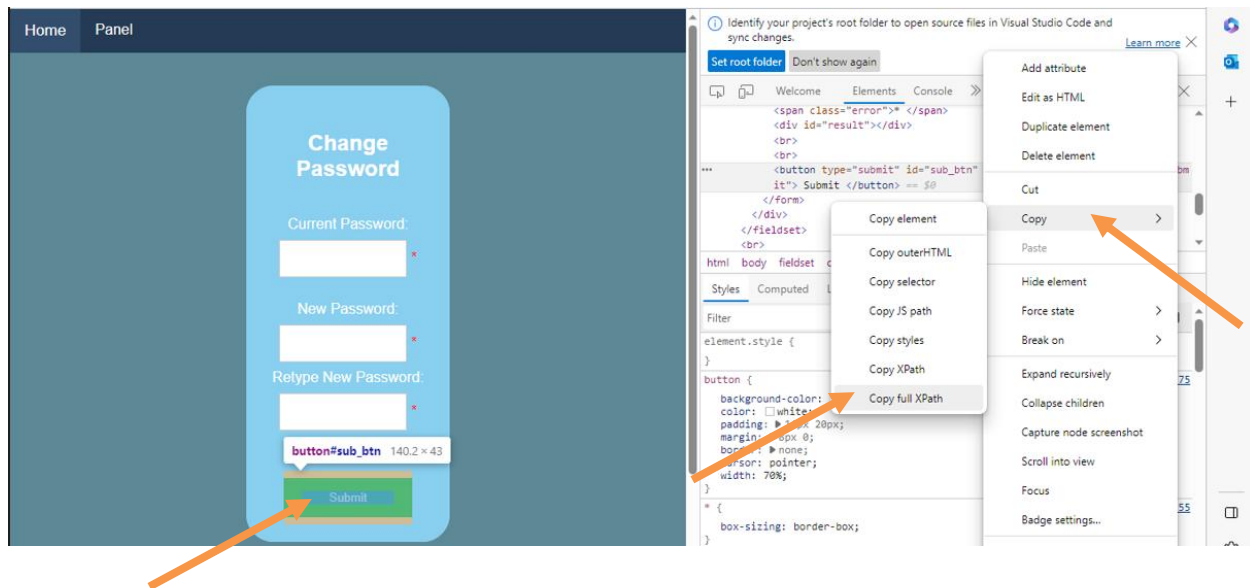
```
package teseWeb;
import org.openqa.selenium.By;
import org.openqa.selenium.edge.EdgeDriver;

public class ready {
    public static void main(String[] args) {

        System.setProperty("webdriver.edge.driver", "F:\\\\DOWNLOADS\\\\edgedriver_win64\\\\msedgedriver.exe");
        EdgeDriver driver = new EdgeDriver();
        driver.get("http://localhost/Final Project/view/login.php");
        driver.manage().window().maximize();
        driver.findElement(By.name("username")).sendKeys("Shathi");
        driver.findElement(By.name("password")).sendKeys("Amishathi#0");
        driver.findElement(By.xpath("/html/body/fieldset/div/form/p[5]/button")).click();
        driver.findElement(By.xpath("/html/body/div[1]")).click();
        driver.findElement(By.xpath("/html/body/div[1]/div")).click();
        driver.findElement(By.xpath("/html/body/div[1]/div/div/a[5]")).click();
        driver.findElement(By.name("current_pass")).sendKeys("Amishathi#0");
        driver.findElement(By.name("new_password")).sendKeys("Amishathi#1");
        driver.findElement(By.name("retype_password")).sendKeys("Amishathi#1");
        driver.findElement(By.xpath("/html/body/fieldset/div/form/button")).click();
        System.out.println("Change Password Test Successful");
    }
}
```

Testing Process: Here we have attached the snapshot of step by step of testing process. First, we need to go to the web page. Then select the field and right-click on that field. Go to Inspect then the respective field's elements window appears to us and we can easily find the name and the id which we need and copy that. Here we skipped to give the screenshot of the login part as we previously showed it.





Run and observe the outcome

