Mini Project Case Study

JavaScript Executor Usage

Problem statement: Automate the scenario using JavaScript executor.

Register the user to the website using JavaScript executor.

Detailed Description:

Launch the browser.

Open the url.

Generate alert "hello world" by clicking on "Basic Alert".

Close the alert.

Navigate to different webpage: https://stqatools.com/demo/

Fill the name as "Amol"

Fill the personal address as "Mumbai"

Select proper gender.

Select your hobby.

Select any city.

Select any country.

Select your date of birth.

Scroll the page to the bottom.

Click on "submit"

Verify submission is successful or not.

Close the browser.

Program:

package SeleniumPractice;

import java.util.List;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

```java
import org.openqa.selenium.WebElement;

import org.openqa.selenium.edge.EdgeDriver;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.Select;


public class Miniproject {


    public static void main(String[] args) throws InterruptedException {

        // TODO Auto-generated method stub

        System.setProperty("webdriver.edge.driver","C:\\Users\\2317693\\eclipse-workspace\\CSDQEA24SD002\\Browser\\msedgedriver.exe");

        WebDriver driver=new EdgeDriver();

        driver.manage().window().maximize();

        driver.get("https://www.stqatools.com/demo/Alerts.php");

        System.out.println("Current URL: " + driver.getCurrentUrl());

        driver.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);


        //generate alert "hello world" by clicking on "basic alert"

        Thread.sleep(3000);

        WebElement btn=driver.findElement(By.id("btnAlert"));

        btn.click();

        Thread.sleep(3000);


        WebElement btnClse=driver.findElement(By.xpath("//*[@id='ezAlerts-footer']/button"));

        btnClse.click();


        //Navigate to diff webpage

        Thread.sleep(5000);

        driver.navigate().to("https://stqatools.com/demo/Register.php");


    //Title of the page

    System.out.println("Title of the Webpage:" + driver.getTitle());

    System.out.println("After navigation Current URL is: " + driver.getCurrentUrl());
```

```java
        //Name Of the person
        Thread.sleep(3000);
        WebElement name = driver.findElement(By.name("name"));
        name.sendKeys("Amol");
        System.out.println("Name:"+name.getAttribute("value"));


        //Address of the person
        Thread.sleep(2000);
        WebElement address = driver.findElement(By.name("address"));
        address.sendKeys("Mumbai");
        System.out.println("Address:"+name.getAttribute("value"));


        //Gender
        WebElement male_rd = driver.findElement(By.xpath("//input[@id='male']"));
        System.out.println("Gender: male");
        male_rd.click();
        System.out.println(male_rd.isSelected());  //true


    //run the js code
Thread.sleep(2000);
JavascriptExecutor jse = (JavascriptExecutor) driver;
jse.executeScript("window.scrollBy(0,400)");


        //hobby
        Thread.sleep(2000);
        WebElement checkbox = driver.findElement(By.xpath("//label[normalize-space()='Traveling']"));
        checkbox.click();
System.out.println(checkbox.getText());


         //country
Thread.sleep(2000);
         WebElement drpCountryEle=driver.findElement(By.xpath("//select[@id='country']"));
```

```java
            Select drpCountry=new Select(drpCountryEle);

            drpCountry.selectByVisibleText("India");

            WebElement selectedOption = drpCountry.getFirstSelectedOption();

            System.out.println("Selected Country: " + selectedOption.getText());


            //city

            Thread.sleep(2000);

            WebElement drpCityEle=driver.findElement(By.xpath("//select[@id='city']"));

            Select drpCity=new Select(drpCityEle);

            drpCity.selectByVisibleText("Mumbai");

            WebElement selectedOption2 = drpCity.getFirstSelectedOption();

            System.out.println("Selected City: " + selectedOption2.getText());



            //date

            Thread.sleep(2000);

            WebElement dob = driver.findElement(By.xpath("//input[@id='dob']"));

            dob.sendKeys("08/14/2001");


            // Get the entered date and print it

            String enteredDate = dob.getAttribute("value");

            System.out.println("Entered Date: " + enteredDate);


            WebElement button = driver.findElement(By.xpath("//button[normalize-space()='Submit']"));

            button.click();

        driver.quit();


            }

    }
```

```java
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import java.util.List;

public class Miniproject {

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        WebDriver driver=new EdgeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.stqatools.com/demo/Alerts.php");
        System.out.println("Current URL: "+driver.getCurrentUrl());
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

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        Thread.sleep(3000);
        WebElement btn=driver.findElement(By.id("btnAlert"));
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        //Navigate to diff webpage
        Thread.sleep(5000);
        driver.navigate().to("https://stqatools.com/demo/Register.php"); ··

        //Title of the page
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        WebElement checkbox = driver.findElement(By.xpath("//label[normalize-space()='Traveling']"));
        checkbox.click();
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        //country
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        button.click();

        driver.quit();
    }
}
```
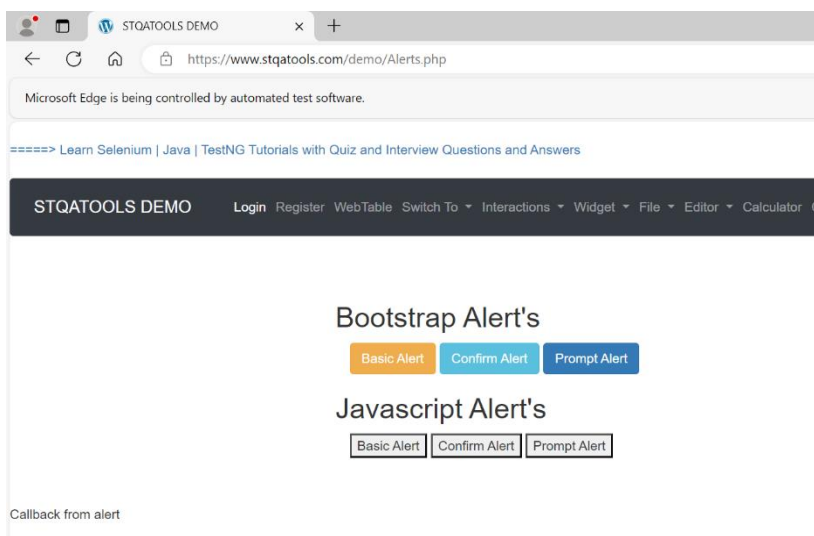
Output :

1. Here is the pic of console.
2. First the url is launched, and basic alert is clicked > alert visible > clicked on alert.
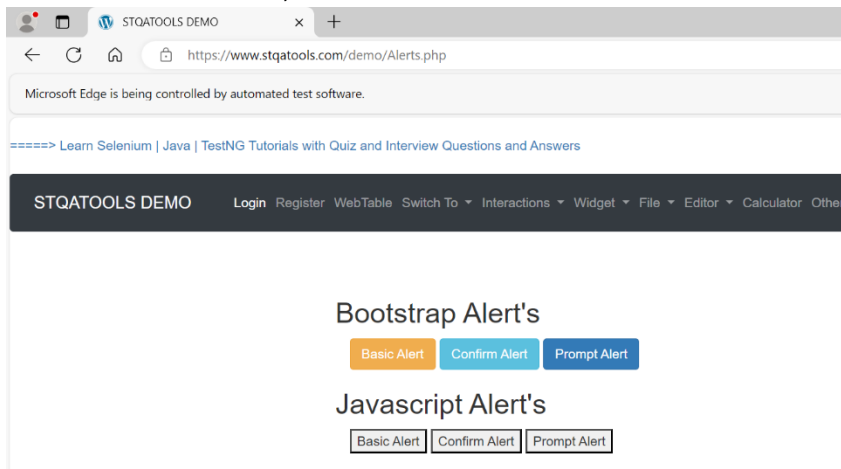
3. Alert box is opened.
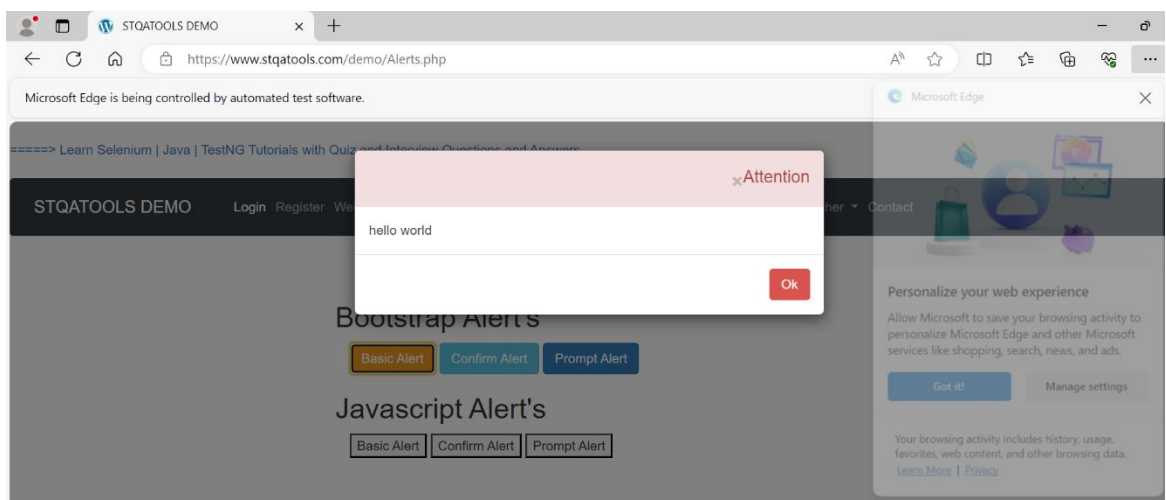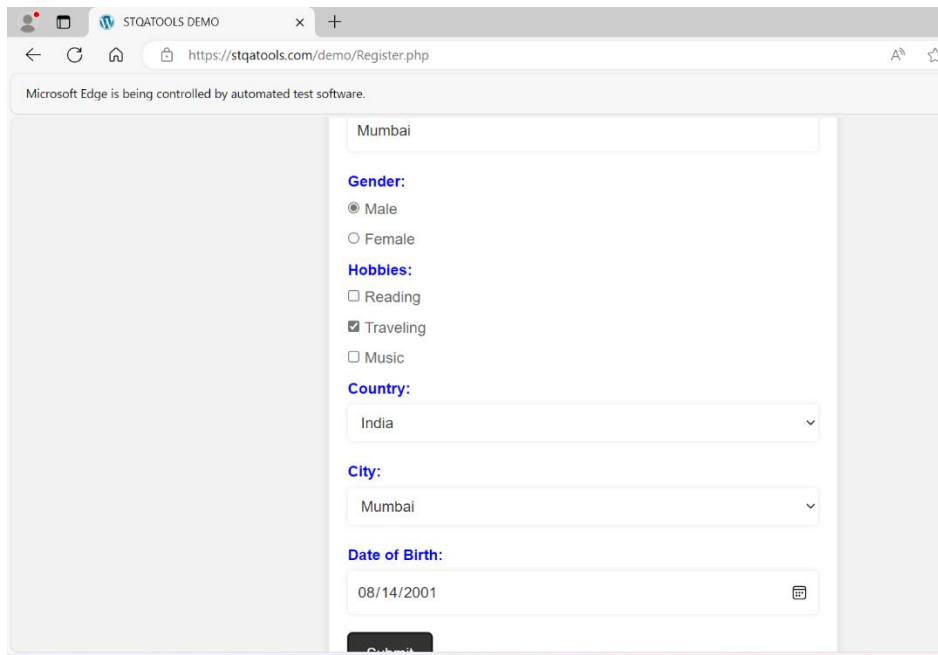

4. Alert box is closed.

5. Navigate to another website that is registration form.

6. Form is filled out.

7. The page is scrolled down the page and filled the remaining fields.

8. All the tags are print in the console. Here is the image of it.