

EduBridge



A project Report on
DEMO WEBSITE USING AUTOMATION TOOL
SELENIUM WEBDRIVER WITH JAVA.

By

Bhagyashree Patil
Batch-EON (2021-5532)
Under the Guidance of,
Amruta Deore
(Technical Trainer)
EduBridge India Pvt. Ltd.

Introduction:

This Project aims to do overall testing like functional testing, GUI testing on Demo GlobalSQA website to check quality of application using selenium web driver. It helps to improve quality of website and saves time for manually doing this testing.

In this project our main focus is to test the Multiple Module. A Automation website is usually seeking to appeal to a broad audience and often has a Product of information to share with that audience.

Software Requirements:

Operating System: Windows 10

Browser: Latest version of Google Chrome

Platform: Eclipse IDE

Automation Tool and Language: Selenium WebDriver, Java

Files: JDK, Selenium Jar files, Common IO file

1. DEMO GlobalSQA MODULE

TC01:1 = Launch the browser

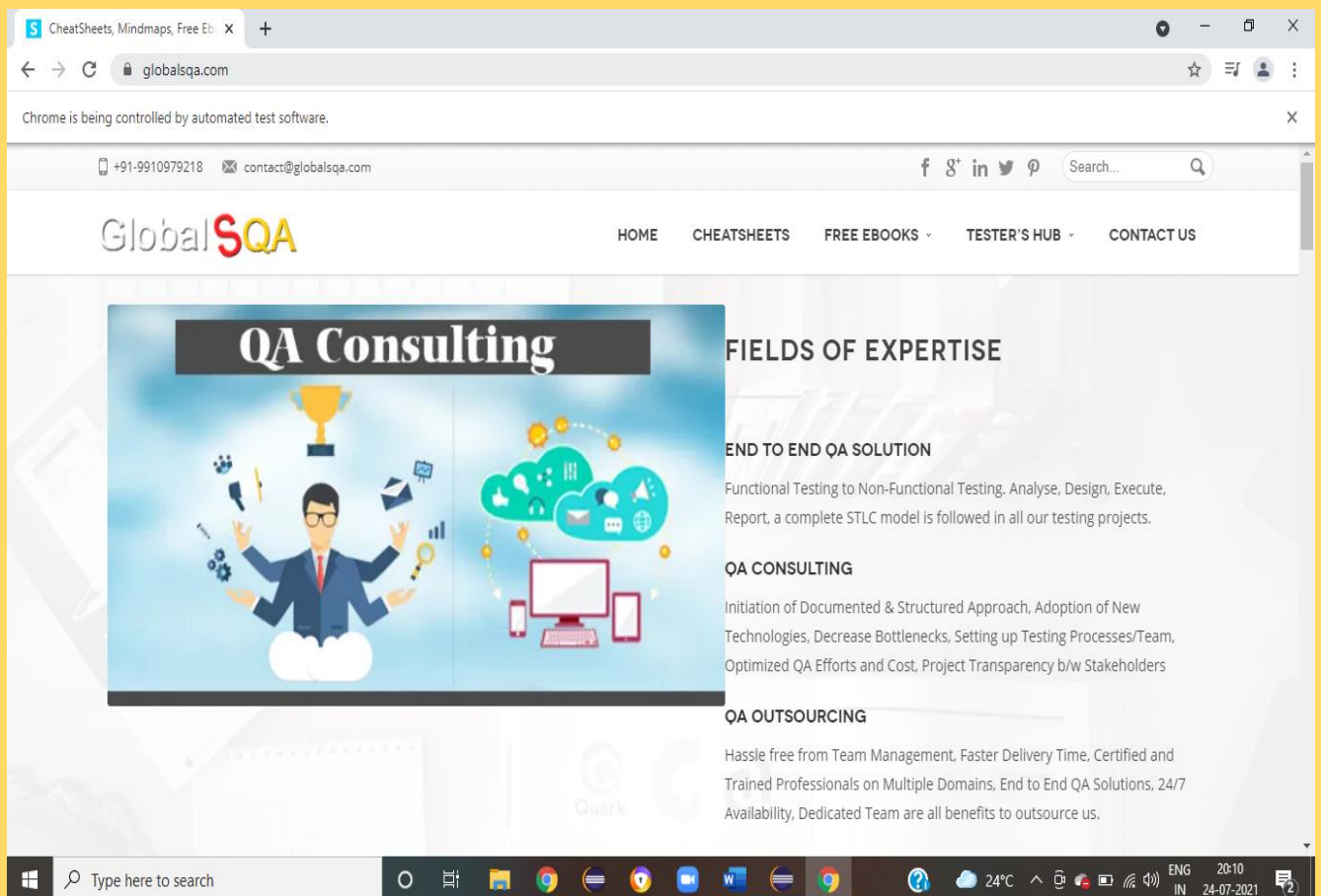
Selenium WebDriver Test Script:

```
WebDriver d = new ChromeDriver();  
driver.manage().window().maximize();
```

TC01:2 = Launch the Demo Global SQA website

```
String baseURL = "https://www.globalsqa.com/";  
driver.get(baseURL);
```

```
driver.manage().timeouts().implicitlyWait(200,  
TimeUnit.MILLISECONDS);  
driver.manage().window().maximize();
```



2. DEMO Contact US MODULE

TC2:1 = To verify the functionality of contact us Form.

Selenium WebDriver Test Script:

```
driver.findElement(By.xpath("//*[@id=\"menu-item-1561\"]/a")).click();
```

```
driver.findElement(By.name("comment_name")).sendKeys("Bhagyashree");
```

```
driver.findElement(By.name("email")).sendKeys("bhagyashreepatil@gmail.com");
```

```
driver.findElement(By.name("subject")).sendKeys("Testing ");
```

```
driver.findElement(By.name("comment")).sendKeys("Nice Product");
```

TC02:2= To verify and display the Captcha Button Menu of Current page of browser.

Selenium WebDriver Test Script:

```
driver.findElement(By.id("recaptcha-anchor-label")).click();
```

TC02:3= To verify and display the Submit Button Menu of Current page of browser.

Selenium WebDriver Test Script:

```
//driver.findElement(By.id("submit")).click();
```

3 DEMO FREE-BOOKS MODULE

TC03:1= To verify and display the FreeBooks Menu of Current page of browser.

Selenium WebDriver Test Script:

```
Actions actions = new Actions(driver);  
WebElement FreeBooks =  
driver.findElement(By.xpath("/html/body/div/header  
/div[2]/div/div/div[3]/div/ul/li[3]/a"));
```

TC3:2= To verify the functionality of Sub Menu From FreeBooks dropdown

Selenium WebDriver Test Script:

```
actions.moveToElement(FreeBooks);
WebElement subMenu =
driver.findElement(By.cssSelector("#menu-item-7132
> a > span"));
```

TC03:3= To verify the functionality of DoubleClick In FreeBooks

Selenium WebDriver Test Script:

```
actions.moveToElement(subMenu);
actions.doubleClick(subMenu).perform();
System.out.println(" Free machine Learning EBooks
Open ");
```

TC03:4= To verify the functionality of Free machine Learning EBooks Categories

```
driver.findElement(By.xpath("/html/body/div[1]/div[
1]/div[2]/div/div[2]/div[1]/ul/li[1]/a/span[2]")).cli
ck();
System.out.println(" Android Studio Categories
Open ");
```

TC3:5= To verify the functionality of scroll down in Current page

Selenium WebDriver Test Script:

```
JavaScriptExecutor js = (JavaScriptExecutor)
driver;
js.executeScript("window.scrollTo(0,400)");
try {
    Thread.sleep(2000);
} catch (InterruptedException e)
{
    e.printStackTrace();
}
System.out.print(" Scroll Down");
```


4 DEMO Tester's Hub MODULE

TC04:1= To verify and display the Tester's Hub Menu of the current page.

Selenium WebDriver Test Script:

```
WebElement TesterHub =  
driver.findElement(By.xpath("/html/body/div/header  
/div[2]/div/div/div[3]/div/ul/li[4]/a"));  
    Actions action = new Actions(driver);  
    action.moveToElement(TesterHub).build().perform();
```

TC04:2= To verify the functionality of Demo Testing Site

Selenium WebDriver Test Script:

```
driver.findElement(By.xpath("/html/body/div/header  
/div[2]/div/div/div[3]/div/ul/li[4]/div/ul/li[1]/div/ul/li[5]/a/span")).click();
```

TC04:3= To verify the functionality of Submenu
Progress Bar From Demo Testing Site

```
WebElement iframe  
=driver.findElement(By.xpath("//body/div[@id='wrapper']/div[1]/div[2]/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/p[1]/iframe[1]"));
```

TC04:4= To verify the functionality of SwitchTo
Another Page

```
driver.switchTo().frame(iframe);  
  
System.out.println("*We are switch to the  
iframe");
```

TC04:5= To verify the functionality of Download
Button

```
driver.findElement(By.id("downloadButton")).click();  
System.out.println(" Start download ");
```

TC04:6= To verify the functionality of Close Button in Current page

```
driver.findElement(By.xpath("/html/body/div[2]/div[3]/div/button")).click();  
    System.out.println(" Close Button Click ");
```

5 DEMO DRAG-DROP MODULE

TC05:1= To verify the functionality of Drag And Drop From Demo Testing Site

Selenium WebDriver Test Script:

```
driver.findElement(By.xpath("/html/body/div/header/div[2]/div/div/div[3]/div/ul/li[4]/div/ul/li[1]/div/ul/li[6]/a/span")).click();
```

```
    WebElement iframe  
=driver.findElement(By.xpath("/html/body/div/div[1]/div[2]/div/div/div[2]/div/div/div[1]/p/iframe"));  
    driver.switchTo().frame(iframe);
```

```
    System.out.println("*We are switch to the  
iframe");
```

TC05:2= To verify the functionality of Drag

```
//find element which we want to drag
Actions act = new Actions (driver);
WebElement from=
driver.findElement(By.xpath("/html/body/div[1]/ul/li
[1]/img"));
```

TC05:3= To verify the functionality of Drop

```
// find element which we need to drop
WebElement to=
driver.findElement(By.xpath("/html/body/div[1]/div"
));
```

**TC05:4= To verify the functionality of Drag And Drop
Execute**

```
// this will drag element to destination
act.dragAndDrop(from, to).build().perform();
System.out.println("Image drop to trash");
```

6. DEMO DRAGGABLE MODULE

TC06:1= To verify the functionality of Submenu Draggable Boxes From Demo Testing Site

Selenium WebDriver Test Script:

```
driver.findElement(By.xpath("//span[contains(text(),' Draggable Boxes')]")).click();
```

```
WebElement iframe  
=driver.findElement(By.xpath("//body/div[@id='wrapper']/div[1]/div[2]/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/p[1]/iframe[1]"));
```

```
driver.switchTo().frame(iframe);  
System.out.println("Switch to frame");
```

TC06:2= To verify the functionality of Draggable Boxes Location

```
//get the location of draggable box  
Point myPoint =  
driver.findElement(By.id("draggable")).getLocation();  
System.out.println("location of draggable box  
:"+myPoint.x+ " "+myPoint.y);
```

TC06:3= To verify the functionality of Drag Boxes And Drop for Current Page

```
WebElement drag  
=driver.findElement(By.id("draggable"));  
    new Actions(driver).dragAndDropBy(drag,  
myPoint.x + 30, myPoint.y + 50).build().perform();
```

7 . DEMO DROP-DOWN MODULE

TC07:1= To verify the functionality of Submenu DropDown Menu From Demo Testing Site

Selenium WebDriver Test Script:

```
driver.findElement(By.xpath("/html/body/div/header  
/div[2]/div/div/div[3]/div/ul/li[4]/div/ul/li[1]/div/u  
l/li[8]/a/span")).click();  
    WebElement iframe  
=driver.findElement(By.xpath("/html/body/div/div[1  
]/div[2]/div/div/div[2]/div/ul/li"));  
    System.out.println("*We are switch to the  
iframe");
```

TC07:2= To verify the functionality of DropList

```
Select drplist = new  
Select(driver.findElement(By.xpath("//*[@id=\"post-  
2646\"]/div[2]/div/div/div/p/select")));
```

TC07:3= To verify the functionality of DropList Using
ByVisible Text

```
drplist.selectByVisibleText("Angola");
```

TC07:4= To verify the functionality of DropList Using
ByIndex

```
drplist.selectByIndex(6);
```

TC07:5= To verify the functionality of DropList Using
ByValue

```
drplist.selectByValue("Angola");
```

8 . DEMO AngularJS Protractor Practice Site MODULE

TC8:1= To verify the functionality of MouseOver

Selenium WebDriver Test Script:

```
WebElement TesterHub =  
driver.findElement(By.xpath("/html/body/div/header  
/div[2]/div/div/div[3]/div/ul/li[4]/a"));  
Actions action = new Actions(driver);  
  
action.moveToElement(TesterHub).build().perform();
```

TC8:2= To verify the functionality of AngularJS
Protractor Practice Site From Tester Hub Menu

```
WebElement APPS =  
driver.findElement(By.xpath("/html/body/div/header  
/div[2]/div/div/div[3]/div/ul/li[4]/div/ul/li[2]/a/span"));  
  
action.moveToElement(APPS).build().perform();
```


TC8:3=: To verify the functionality of Angular Consumption Calculator

Selenium WebDriver Test Script:

```
driver.findElement(By.xpath("/html/body/div/header/div[2]/div/div/div[3]/div/ul/li[4]/div/ul/li[2]/div/ul/li[7]/a/span")).click();
```

```
    List<WebElement> elements =  
driver.findElements(By.name("quantity"));  
    // TO check cups of coffee
```

```
    driver.findElement(By.name("quantity")).sendKeys("4");
```

```
    driver.findElement(By.name("perUnit")).click();
```

```
        System.out.println(" the daily maximum  
intake of 400mg.");
```

```
    // To Check cigarettes
```

```
    driver.findElement(By.xpath("/html/body/form[2]/p/input")).sendKeys("5");
```

```
    driver.findElement(By.name("perUnit")).click();  
        System.out.println(" the daily maximum  
intake of 30mg.");
```

```

JavascriptExecutor js = (JavascriptExecutor) driver;
    js.executeScript("window.scrollTo(0,400)");
    try {
        Thread.sleep(2000);
    } catch (InterruptedException e)
    {
        // TODO Auto-generated catch
        block
        e.printStackTrace();
    }
    System.out.print(" Scroll Down");

```

9. DEMO FLASH MODULE

TC9:1= To verify the functionality of Flash Website
From Tester Hub Menu

Selenium WebDriver Test Script:

```

WebElement TesterHub =
driver.findElement(By.xpath("/html/body/div/header
/div[2]/div/div/div[3]/div/ul/li[4]/a"));
    Actions action = new Actions(driver);

    action.moveToElement(TesterHub).build().perform();

    WebElement Fw =
driver.findElement(By.xpath("/html/body/div/header
/div[2]/div/div/div[3]/div/ul/li[4]/div/ul/li[4]/a/span"));
    Fw.click();

```

TC9:2= To verify the functionality of Click The Check Box

```
driver.findElement(By.xpath("/html/body/div/object/object/a/img")).click();  
System.out.println(" Open the adobe.com site");
```

TC10: To verify the navigation to go back to previous page.

Selenium WebDriver Test Script:

```
driver.navigate().back();
```

TC11: To verify that browser is able to close.

Selenium WebDriver Test Script:

```
driver.close();
```