



A Project report on
Automation testing on TOOLS QA website

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INRODUCTION

The Project aim to do overall testing like functional testing, GUI testing on website to check quality of

application. It helps to improve quality of website and saves time for manually doing this testing. In this project our main focus is to check functionalities available on website. Also, it include title check and all links count with their working status.

SOFTWARE REQUIREMENTS

Operating System: Windows 10

Browser Latest Version of Chrome

IDE: Eclipse IDE

Automation Tool: Selenium WebDriver

Front-end: java

MODULE -1

Element Module

TC01 : Launch the browser .

```
System.setProperty("webdriver.gecko.driver", "C:\\Users\\dell\\Desktop\\selenium  
jar\\geckodriver.exe");  
WebDriver w = new FirefoxDriver();
```

TC02 :Open the ToolQA Website.

```
w.get("https://demoqa.com/elements");
```

TC03 :To check the functionality of element module of ToolQA Website.

```
w.findElement(By.xpath("//html[1]/body[1]/div[2]/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[1]/span[1]/div[1]")).click();  
Thread.sleep(2000);
```

TC04:To check the functionality of textbox module in element module.

```
w.findElement(By.xpath("//span[contains(text(),'Text Box')]")).click();
```

TC05 : To check the functionality of submit button with valid Name,Email ID,Current Address,Permanent address.

```
w.findElement(By.xpath("//input[@id='userName']")).sendKeys("Yogita");  
w.findElement(By.xpath("//input[@id='userEmail']")).sendKeys("yb@gmail.com");  
w.findElement(By.xpath("//textarea[@id='currentAddress']")).sendKeys("Jalgaon");  
w.findElement(By.xpath("//textarea[@id='permanentAddress']")).sendKeys("Raver");  
w.findElement(By.xpath("//button[@id='submit']")).click();  
System.out.println("Submit successfully");
```

TC06:To take the screenshot of submit successfully page.

```
TakesScreenshot s= (TakesScreenshot) w;  
File src = s.getScreenshotAs(OutputType.FILE);  
Files.copy(src, new File("D:\\screenshot\\submit.jpg"));
```

TC07 :To check the functionality of Checkbox module in element module.

```
w.findElement(By.xpath("//span[contains(text(),'Check Box')]")).click();
```

TC08 : To check the functionality of checkbox whether it is expand or not.

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[2]/div[1]/div[1]/ol[1]/li[1]/span[1]/button[1]")).click();
```

```
Thread.sleep(2000);
```

```
w.findElement(By.xpath("//body[1]/div[2]/div[1]/div[1]/div[2]/div[2]/div[1]/div[1]/div[1]/button[1]/svg[1]/path[1]")).click();  
Thread.sleep(2000);
```

TC09 : To check how many checkbox are available in checkbox module.

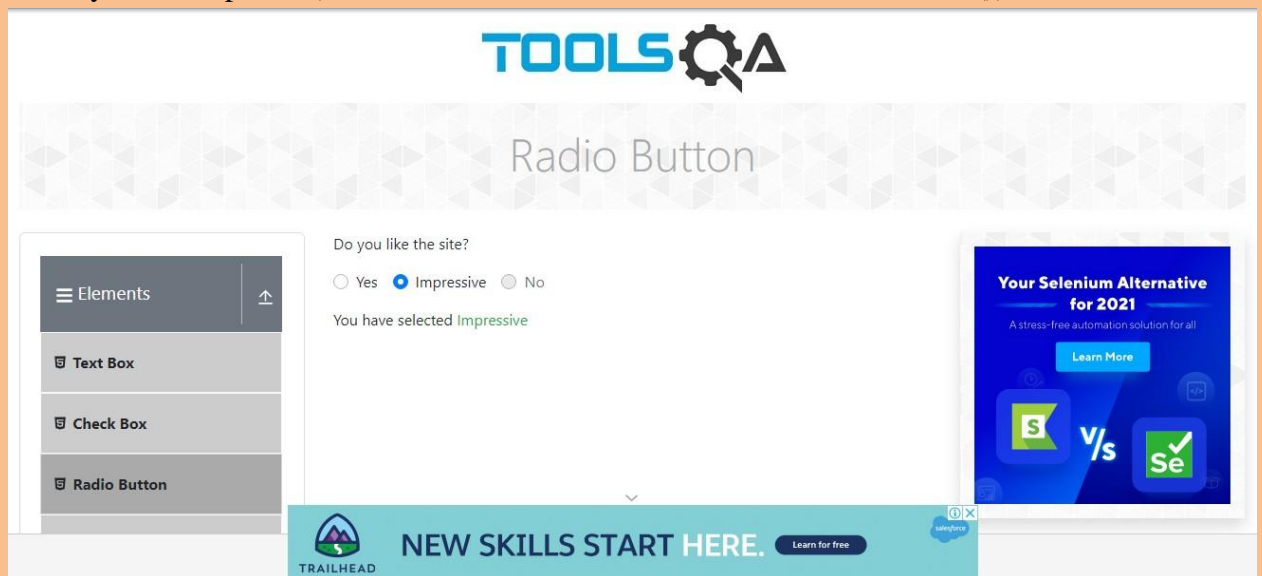
```
List<WebElement> Checkbox = w.findElements(By.tagName("span"));  
int Total_Checkbox = Checkbox.size();  
System.out.println("Total number of checkbox: "+Total_Checkbox);
```

TC10 : To check the functionality of radio button in element module.

```
w.findElement(By.id("yesRadio")).click();
```

TC11: To check how many radio button are available in radio button module.

```
List<WebElement> RadioButton = w.findElements(By.tagName("label"));  
System.out.println("Total number of radio button: "+RadioButton.size());
```



TC12 : To check the functionality of web table module in element module.

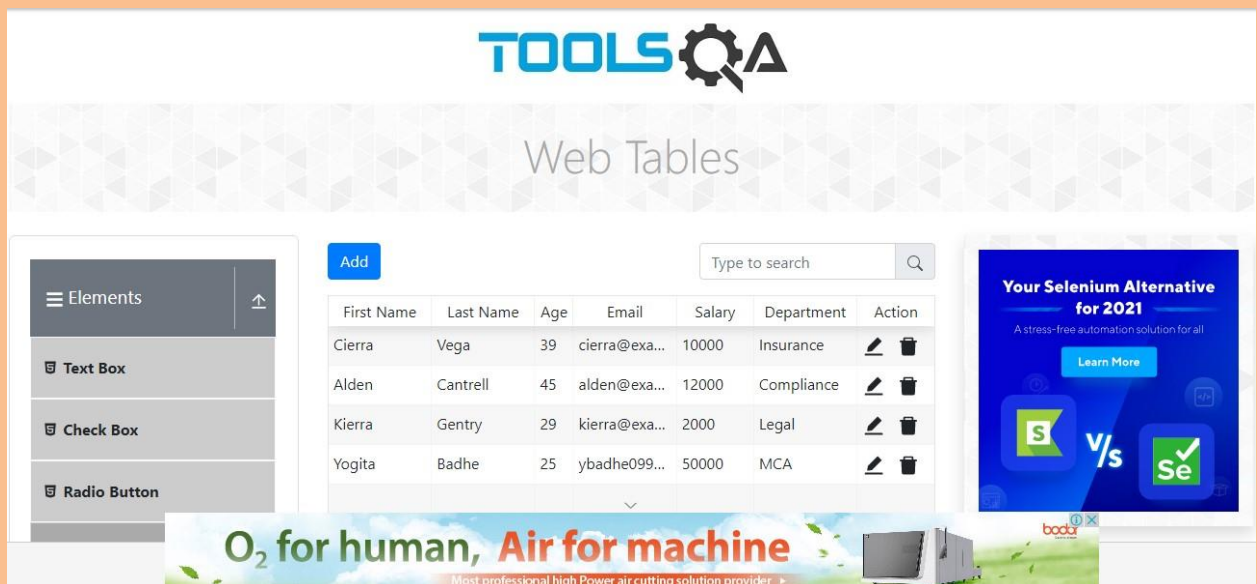
```
w.findElement(By.xpath("//span[contains(text(),'Web Tables')]")).click();  
Thread.sleep(2000);
```

TC13 : To check the functionality of add button in web table module.

```
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();
```

TC14: To check the functionality of submit button with valid First name, Last name, Email ID, Age, salary, Department.

```
w.findElement(By.id("firstName")).sendKeys("Yogita");
w.findElement(By.id("lastName")).sendKeys("Badhe");
w.findElement(By.id("userEmail")).sendKeys("ybadhe@gmail.com");
w.findElement(By.id("age")).sendKeys("24");
w.findElement(By.id("salary")).sendKeys("25000");
w.findElement(By.id("department")).sendKeys("MCA");
w.findElement(By.xpath("//button[@id='submit']")).click();
System.out.println("Data added successfully");
Thread.sleep(2000);
```



TC15: To check the functionality of search bar in web table module.

```
w.findElement(By.xpath("//input[@id='searchBox']")).sendKeys("Yogita");
w.findElement(By.xpath("//span[@id='basic-addon2']")).click();
System.out.println("data display successfully");
Thread.sleep(2000);
```

TC16: To check the functionality of delete icon in web table module.

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[2]/div[1]/div[3]/div[1]/div[2]/div[2]/div[1]/div[7]/div[1]/span[2]/*[1]")).click();
```

TC17: To check the functionality of edit option in web table module.

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[2]/div[1]/div[3]/div[1]/div[2]/div[2]/div[1]/div[7]/div[1]/span[1]/*[1]")).click();
```

TC18: To check the functionality of button module in element module.

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[5]")).click();
```

TC19: To check the functionality of Double click me in button module.

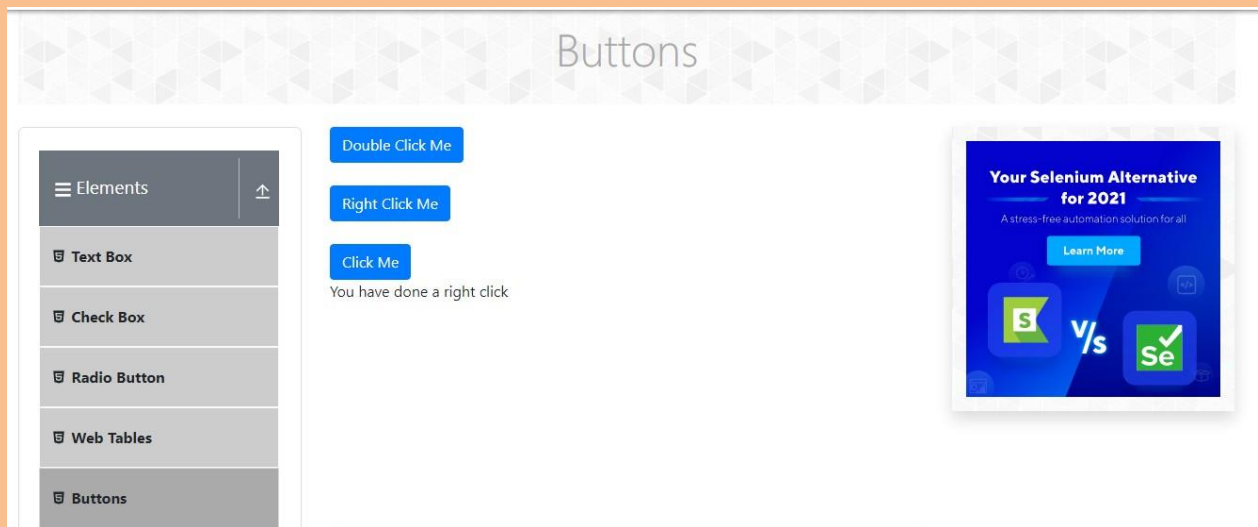
```
w.findElement(By.xpath("//button[@id='doubleClickBtn']")).click();
```

TC20 : To check the functionality of right click me in button module.

```
w.findElement(By.xpath("//button[@id='rightClickBtn']")).click();
```

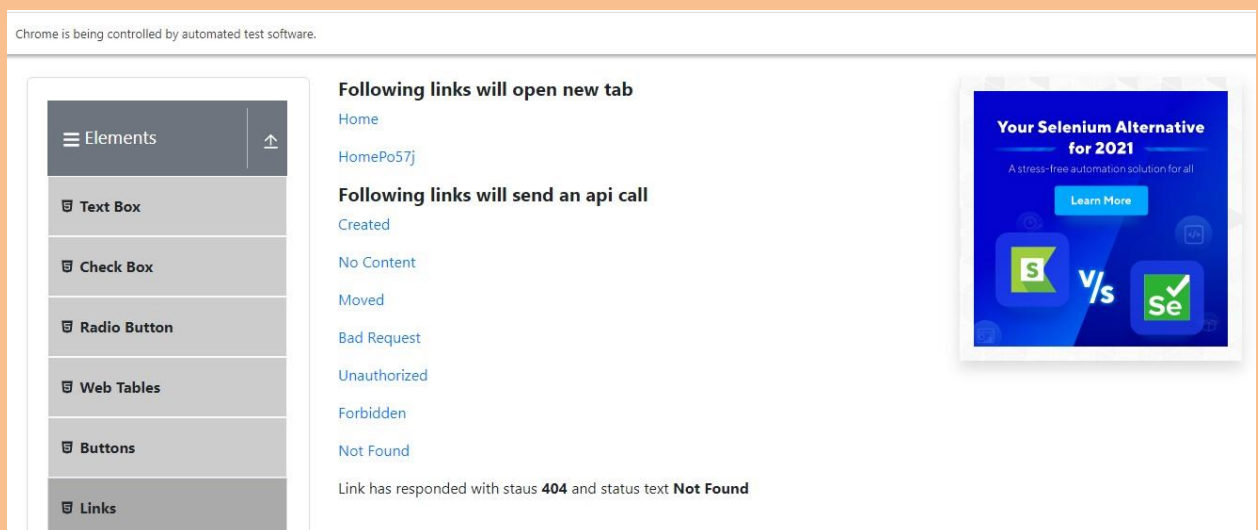
TC21 : To check the functionality of click me button in button module.

```
w.findElement(By.xpath("//button[@id='12gta']")).click();  
Thread.sleep(2000);
```



TC22 : To check the functionality of Links module in element module.

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[6]")) .click();
```



TC23 :To check the functionality of Home Link in links Module.

```
w.findElement(By.xpath("//a[@id='simpleLink']")).click();
```

TC24 : To check how many links are available in links module.

```
List<WebElement> Link = w.findElements(By.tagName("a"));
int Total_Link = Link.size();
System.out.println("Total number of checkbox: "+Total_Link);
```

TC25: To check the functionality of broken links in element module.

```
w.findElement(By.xpath("//span[contains(text(),'Broken Links - Images')]")).click();
Thread.sleep(2000);
```

TC26 : To check the functionality of Click here for valid link in broken link module.

```
w.findElement(By.xpath("//a[contains(text(),'Click Here for Valid Link')]")).click();
```

TC27 : To verify and display the URL of current page of browser.

```
w.getCurrentUrl();
System.out.println("The current url is: "+w.getCurrentUrl());
```

TC28 : To verify and display the title of the current page.

```
w.getTitle();
System.out.println("The title of the page is: "+w.getTitle());
Thread.sleep(2000);
```

TC29 : To verify and navigate back to the element module page.

```
w.navigate().back();
Thread.sleep(2000);
```

TC30 : To check the functionality of Click here for broken link in broken link module.

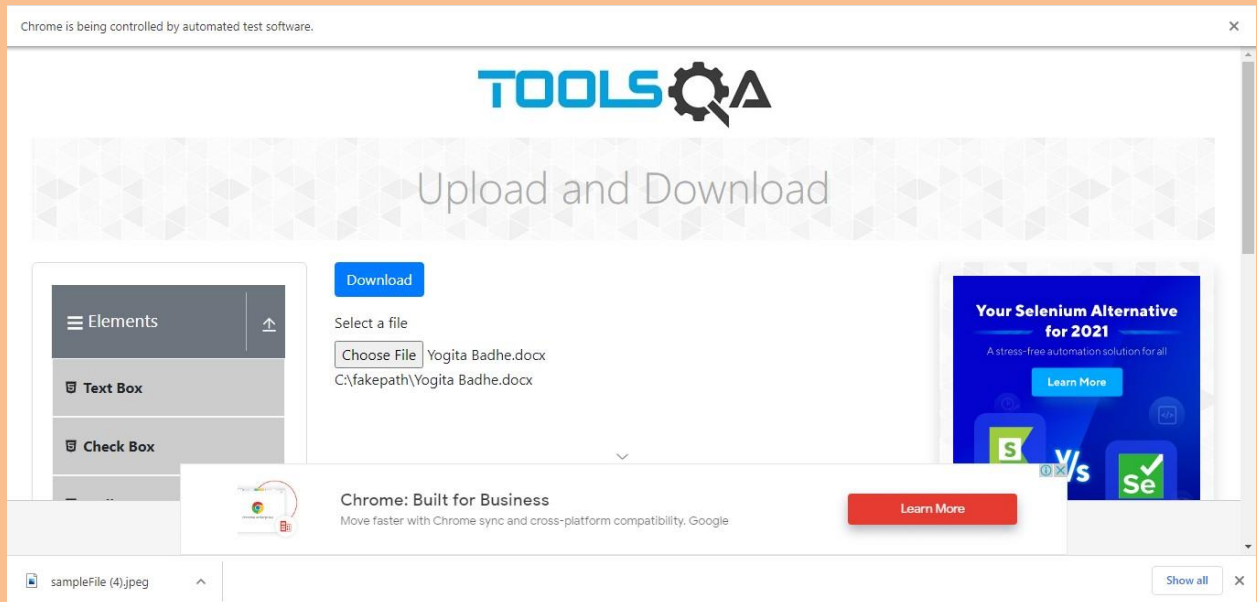
```
w.findElement(By.xpath("//a[contains(text(),'Click Here for Broken Link')]")).click();
w.navigate().back();
```

TC31: To check the functionality of Upload and Download module in element module.

```
w.findElement(By.xpath("//span[contains(text(),'Upload and Download')]")).click();
```

TC32 : To check the functionality of Choose file button in upload and download module.

```
w.findElement(By.xpath("//input[@id='uploadFile']")).click();  
System.out.println("File uploaded successfully");  
Thread.sleep(2000);
```



TC33 : To check the functionality of download button in Upload and download module.

```
w.findElement(By.xpath("//a[@id='downloadButton']")).click();  
System.out.println("File downloaded successfully");  
Thread.sleep(2000);
```

TC34 : To check the functionality of dynamic properties in element module.

```
w.findElement(By.xpath("//span[contains(text(),'Dynamic Properties')]")).click();
```

TC35: To check the functionality of will enable 5 seconds button in dynamic properties.

```
w.findElement(By.xpath("//button[@id='enableAfter']")).click();  
Thread.sleep(2000);
```

TC36 : To check the functionality of color change button in dynamic properties module.

```
w.findElement(By.xpath("//button[@id='colorChange']")).click();  
Thread.sleep(2000);
```

TC37 : To check the functionality of Visible after 5 seconds in dynamic properties.

```
w.findElement(By.xpath("//button[@id='visibleAfter']")).click();  
Thread.sleep(2000);
```


MODULE -3

INTERACTION

TOOLSQA Website

TC01: Launch the browser

*Selenium WebDriver Test Script:

```
System.setProperty("webdriver.chrome.driver", "C:\\Users\\Administrator\\Desktop\\Selenium Jar\\chromedriver.exe");  
    ChromeDriver w = new ChromeDriver();  
    Thread.sleep(2000);  
    System.out.println("Launch the Browser");
```

TC02: Open URL

```
w.get("https://demoqa.com/automation-practice-form");  
    w.manage().window().maximize();  
    System.out.println("Title of page is" + w.getTitle());
```

TC03: To check the functionality of Alert button button

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[3]/span[1]/div[1]/div[1]"))).click();
Thread.sleep(2000);
```

TC04: to click on alert button

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[3]/div[1]/ul[1]/li[2]"))).click();
```

TC05:To check the functionality of Click me button on Simple alert

```
w.findElement(By.xpath("//button[@id='alertButton']")).click();
Thread.sleep(2000);
Alert A1=w.switchTo().alert();
//To get the text
System.out.println(A1.getText());
System.out.println("Simple alert done");
A1.accept();
```

TC06:To check the functionality of Click me button on Simple wait alert

```
//simple wait
w.findElement(By.xpath("//*[@id=\"timerAlertButton\"]")).click();

Thread.sleep(6000);
Alert A2 =w.switchTo().alert();
A2.accept();
```

TC06:To check the functionality of Click me button on Comfirm alert

```
//confirm
```

```
w.findElement(By.id("confirmButton")).click();  
Thread.sleep(3000);  
Alert A4= w.switchTo().alert();  
System.out.println(A4.getText());  
A4.dismiss();  
Thread.sleep(3000);
```

TC06:To check the functionality of Click me button on Prompt alert

```
//prompt
```

```
w.findElement(By.xpath("//button[@id='promptButton']")).click();  
  
Alert A5= w.switchTo().alert();  
A5.sendKeys("Hello");  
Thread.sleep(1000);  
System.out.println(A5.getText());  
A5.accept();  
Thread.sleep(2000);
```

The screenshot displays the TOOLSQA website interface. At the top, the 'TOOLSQA' logo is visible. Below it, a section titled 'Alerts' features a grid of examples. The first example, 'Click Button to see alert', shows a 'Click me' button. The second example, 'On button click, alert will appear after 5 seconds', also shows a 'Click me' button. The third example, 'On button click, confirm box will appear', shows a 'Click me' button and a snippet of a Java alert dialog: 'You selected Cancel'. The fourth example, 'On button click, prompt box will appear', shows a 'Click me' button. On the right side, there is a blue promotional banner for 'Your Selenium Alternative for 2021', which is 'TestNG'. At the bottom, there is a white banner for 'Download Chrome for Business' with a 'Learn More' button.

TC07: To check the functionality of Interaction button

```
JavascriptExecutor js2=(JavascriptExecutor)w;  
js2.executeScript("window.scrollTo(0,5000)");  
w.findElement(By.xpath("//*[@id=\"app\"]/div/div/div[2]/div[1]/div/div/div[5]/span/div/div[1]")).click();  
Thread.sleep(2000);  
w.navigate().back();
```

TC08: on check the functionality of Sortable button

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[5]/div[1]/ul[1]/li[1]")).click();  
System.out.println(w.getCurrentUrl());
```

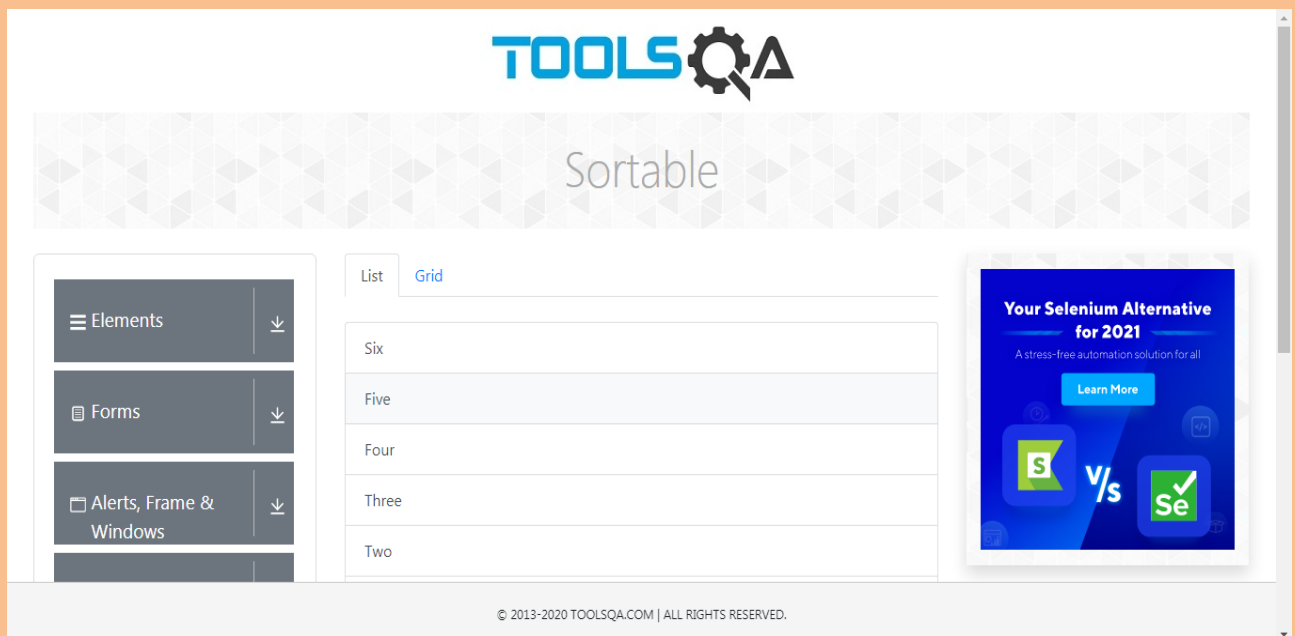
TC09: To click on List button

```
w.findElement(By.id("demo-tab-list")).click();  
Thread.sleep(2000);  
WebElement drag = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[1]"));  
  
WebElement drop = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[6]"));  
Actions ac =new Actions(w);  
ac.dragAndDrop(drag, drop).build().perform();  
  
Thread.sleep(2000);  
WebElement drag1 =  
w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[1]"));  
WebElement drop1 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[5]"));  
ac.dragAndDrop(drag1, drop1).build().perform();
```

```
Thread.sleep(2000);
WebElement drag2 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[1]"));
WebElement drop2 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[4]"));
ac.dragAndDrop(drag2, drop2).build().perform();
```

```
Thread.sleep(2000);
WebElement drag3 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[1]"));
WebElement drop3 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[3]"));
ac.dragAndDrop(drag3, drop3).build().perform();
```

```
Thread.sleep(2000);
WebElement drag4 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[1]"));
WebElement drop4 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-list\"]/div/div[2]"));
ac.dragAndDrop(drag4, drop4).build().perform();
```



TC09: To click on Grid button

```
w.findElement(By.id("demo-tab-grid")).click();
w.manage().window().maximize();
Thread.sleep(3000);
w.findElement(By.xpath("//*[@id=\"demo-tabpane-
grid\"]/div/div/div[5]")).click();
Thread.sleep(2000);
```

```
WebElement drag5 = w.findElement(By.xpath("//*[@id=\"demo-
tabpane-grid\"]/div/div/div[1]"));
WebElement drop5 = w.findElement(By.xpath("//*[@id=\"demo-
tabpane-grid\"]/div/div/div[1]"));
Actions ac1=new Actions(w);
ac1.dragAndDrop(drag5, drop5).build().perform();
```

```
Thread.sleep(2000);
WebElement drag6 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-
grid\"]/div/div/div[1]"));
WebElement drop6 = w.findElement(By.xpath("//*[@id=\"demo-
tabpane-grid\"]/div/div/div[2]"));
ac1.dragAndDrop(drag6, drop6).build().perform();
```

```
Thread.sleep(2000);
WebElement drag7 = w.findElement(By.xpath("//*[@id=\"demo-
tabpane-grid\"]/div/div/div[1]"));
WebElement drop7 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-
grid\"]/div/div/div[3]"));
ac1.dragAndDrop(drag7, drop7).build().perform();
```

```
Thread.sleep(2000);
WebElement drag8 =
w.findElement(By.xpath("//*[@id=\"demo- tabpane-
grid\"]/div/div/div[1]"));
WebElement drop8 = w.findElement(By.xpath("//*[@id=\"demo-
tabpane-grid\"]/div/div/div[4]"));
ac1.dragAndDrop(drag8, drop8).build().perform();
Thread.sleep(2000);
WebElement drag9 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-
grid\"]/div/div/div[1]"));
```

```
WebElement drop9 = w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[5]"));
ac1.dragAndDrop(drag9, drop9).build().perform();
```

```
Thread.sleep(2000);
WebElement drag10 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[1]"));
WebElement drop10 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[6]"));
ac1.dragAndDrop(drag10, drop10).build().perform();
```

```
Thread.sleep(2000);
WebElement drag11 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[1]"));
WebElement drop11 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[7]"));
ac1.dragAndDrop(drag11, drop11).build().perform();
```

```
Thread.sleep(2000);
WebElement drag12 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[1]"));
WebElement drop12 =
w.findElement(By.xpath("//*[@id=\"demo-tabpane-grid\"]/div/div/div[8]"));
ac1.dragAndDrop(drag12, drop12).build().perform();
```

TC10: To check the functionality of Selectable button

```
JavascriptExecutor js6=(JavascriptExecutor)w;
js6.executeScript("window.scrollTo(0,5000)");
```

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]
```

```
] /div[2]/div[1]/div[1]/div[1]/div[5]/div[1]/ul[1]/li[2]))  
.click();  
Thread.sleep(2000);  
System.out.println(w.getCurrentUrl());  
Thread.sleep(2000);
```

TC11: T0 click on List button

```
w.findElement(By.xpath("//*[@id=\"verticalListContainer\"]  
/li[1]")).click();  
Thread.sleep(2000);
```

```
w.findElement(By.xpath("//*[@id=\"verticalListContainer\"]  
/li[2]")).click();  
Thread.sleep(2000);
```

```
w.findElement(By.xpath("//*[@id=\"verticalListContainer\"]  
/li[3]")).click();
```

TC12: T0 click on Grid

```
w.findElement(By.xpath("//*[@id=\"demo-tab-  
grid\"]")).click();  
Thread.sleep(2000);
```

```
w.findElement(By.xpath("//*[@id=\"row1\"]/li[1]")).click()  
;
```

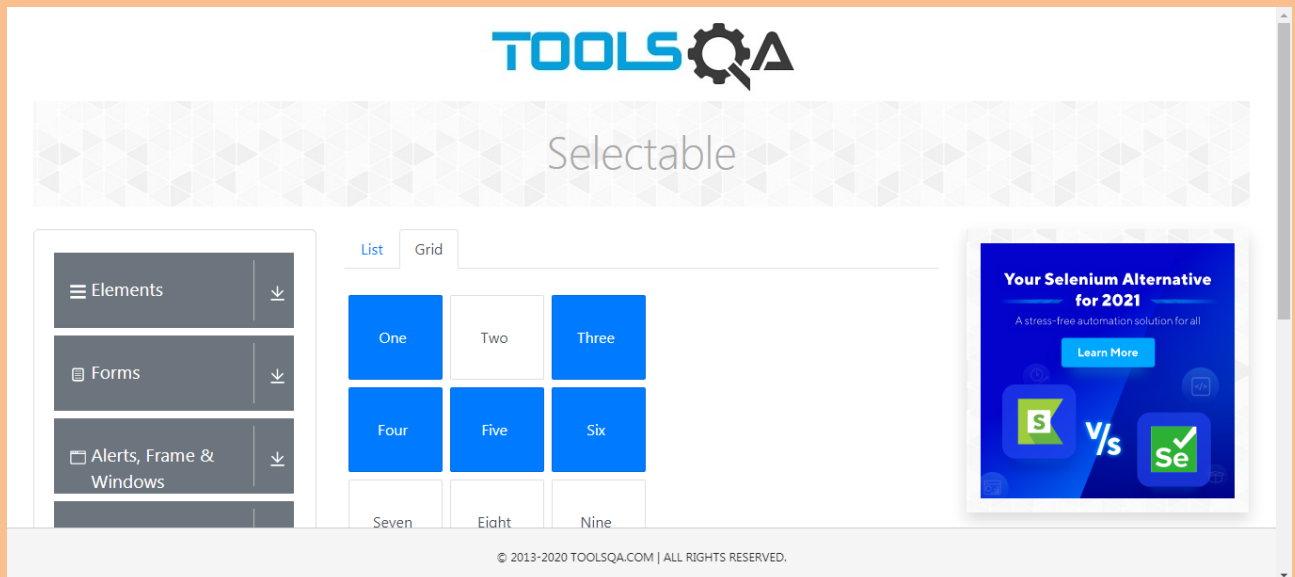
```
w.findElement(By.xpath("//*[@id=\"row2\"]/li[3]")).click()  
;
```

```
w.findElement(By.xpath("//*[@id=\"row2\"]/li[1]")).click()  
;
```

```
w.findElement(By.xpath("//*[@id=\"row2\"]/li[2]")).click()  
;
```



```
w.findElement(By.xpath("//*[@id=\"row1\"]/li[3]")).click();
```



TC13: TO click on Resizable button

```
JavascriptExecutor js7=(JavascriptExecutor)w;
js7.executeScript("window.scrollTo(0,5000)");
```

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]
]/div[2]/div[1]/div[1]/div[1]/div[5]/div[1]/ul[1]/li[3]"))
.click();
System.out.println(w.getCurrentUrl());
Thread.sleep(2000);
```

```
WebElement element =
w.findElement(By.xpath("//*[@id=\"resizableBoxWithRestriction\"]
/span"));
Actions a= new Actions(w);
a.dragAndDropBy(element,100,160).perform();
Thread.sleep(2000);
```

```
JavascriptExecutor js3=(JavascriptExecutor)w;
```

```

js3.executeScript("window.scrollTo(0,1000)");
System.out.println("window is scrolled ");

        Thread.sleep(2000);
        WebElement element1 =
w.findElement(By.xpath("//*[@id=\"resizable\"]/span"));
a.dragAndDropBy(element1,100,180).perform();

```

TC14: To check the functionality of Droppable button

```

w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]
]/div[2]/div[1]/div[1]/div[1]/div[5]/div[1]/ul[1]/li[4]"))
.click();
Thread.sleep(2000);
System.out.println(w.getCurrentUrl());

```

TC15: To click on Simple button

```

w.findElement(By.id("droppableExample-tab-
simple")).click();
Thread.sleep(3000);
WebElement drag13 = w.findElement(By.id("draggable"));
WebElement drop13 = w.findElement(By.id("droppable"));
Actions a1= new Actions(w);
a1.dragAndDrop(drag13, drop13).build().perform();

```

TC16: To click on Accept button

```

w.findElement(By.id("droppableExample-tab-
accept")).click();
Thread.sleep(3000);

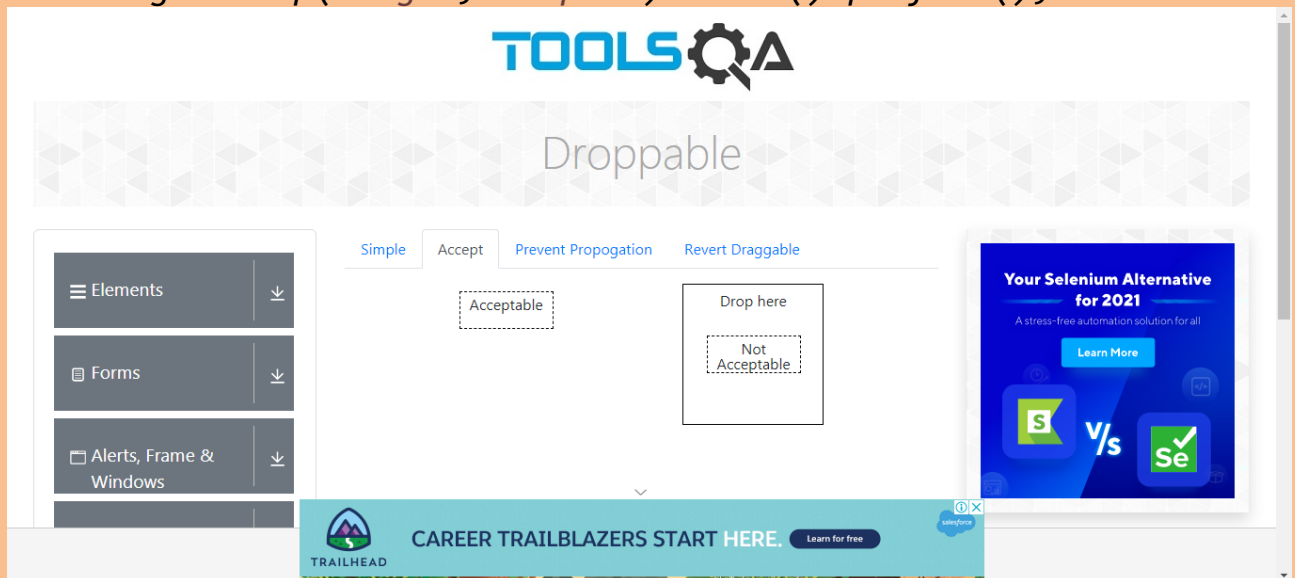
WebElement drag14 =
w.findElement(By.xpath("//div[@id='acceptable']"));

```

```

WebElement drop14 =
w.findElement(By.xpath("//div[@id='acceptDropContainer']//
div[@id='droppable']"));
Thread.sleep(2000);
a1.dragAndDrop(drag14, drop14).build().perform();
w.navigate().refresh();
//Not acceptable
w.findElement(By.id("droppableExample-tab-
accept")).click();
Thread.sleep(2000);
WebElement drop15 =
w.findElement(By.xpath("//div[@id='acceptDropContainer']//
div[@id='droppable']"));
WebElement drag15 = w.findElement(By.id("notAcceptable"))
;
a1.dragAndDrop(drag15, drop15 ).build().perform();

```



TC17: To click on Prevent Propagation button

```

w.findElement(By.id("droppableExample-tab-
preventPropagation")).click();
Thread.sleep(3000);

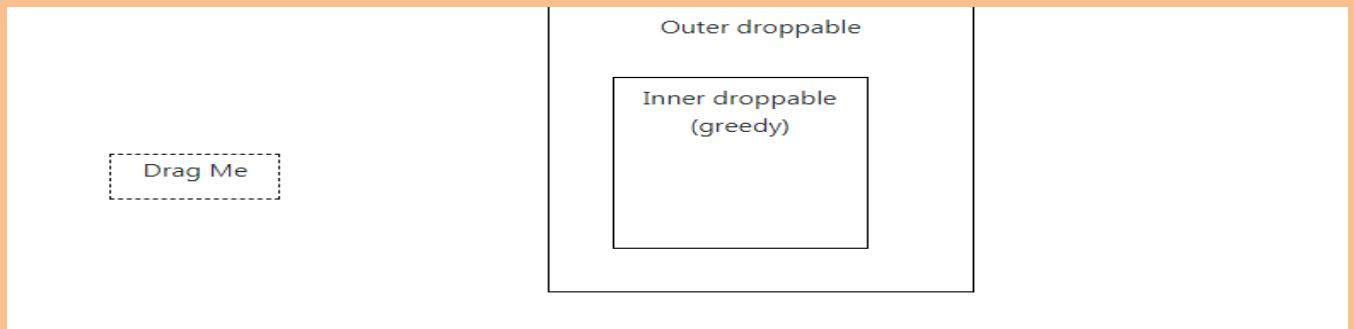
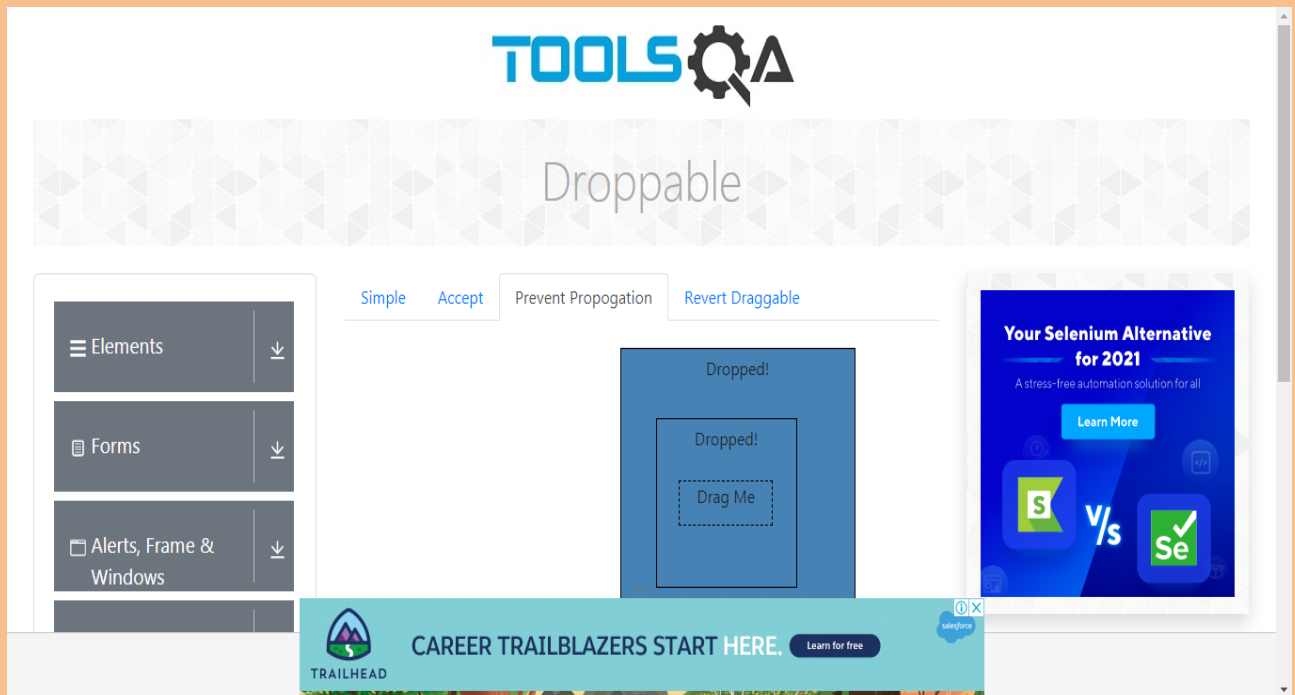
WebElement drag16 =
w.findElement(By.xpath("//div[@id='dragBox']"));

```

```

WebElement drop16 =
w.findElement(By.xpath("//div[@id='notGreedyInnerDropBox']
")); Actions a2= new Actions(w);
a2.dragAndDrop(drag16, drop16).build().perform();
Thread.sleep(3000);

```



Defect: Inner droppable part is not working.

TC18: To click on Revert Draggable button

```
Thread.sleep(3000);
```

```

w.findElement(By.xpath("//a[@id='draggableExample-tab-revertable']")).click();

WebElement drag18 =
w.findElement(By.xpath("//div[@id='revertable']"));
WebElement drag19 =
w.findElement(By.xpath("//div[@id='notRevertable']"));
WebElement drop18 =
w.findElement(By.xpath("//div[@id='revertableDropContainer']//div[@id='draggable']"));
Actions a3= new Actions(w);
Thread.sleep(3000);
a3.dragAndDrop(drag18, drop18).build().perform();
Thread.sleep(3000);
a3.dragAndDrop(drag19, drop18).build().perform();

```

TC19: To check the functionality of Draggable button

```

JavascriptExecutor js4=(JavascriptExecutor)w;
js4.executeScript("window.scrollTo(0,1000)");
System.out.println(w.getCurrentUrl());
Thread.sleep(3000);

```

```

w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[5]/div[1]/ul[1]/li[5]")).click();
Thread.sleep(3000);

```

TC20: To click on Simple button

```

w.findElement(By.xpath("//a[@id='draggableExample-tab-simple']")).click();
WebElement drag20 =
w.findElement(By.xpath("//div[@id='dragBox']"));
Actions a4= new Actions(w);
a4.dragAndDropBy(drag20,100,100 ).build().perform();

```

TC21: To click on Axis Restricted button

```
Thread.sleep(3000);
w.findElement(By.xpath("//a[@id='draggableExample-tab-
axisRestriction']")).click();
WebElement drag21 =
w.findElement(By.xpath("//div[@id='restrictedX']"));
WebElement drag22 =
w.findElement(By.xpath("//div[@id='restrictedY']"));
a4.dragAndDropBy(drag21,100,0 ).build().perform();
a4.dragAndDropBy(drag22,0,100 ).build().perform();
```

TC22: to click on Cursor Style

```
w.findElement(By.xpath("//a[@id='draggableExample-tab-
cursorStyle']")).click();
WebElement drag23 =
w.findElement(By.xpath("//div[@id='cursorCenter']"));
a4.dragAndDropBy(drag23,100,110 ).build().perform();
Thread.sleep(2000);
```

```
WebElement drag24 =
w.findElement(By.xpath("//div[@id='cursorTopLeft']"));
a4.dragAndDropBy(drag24,-0,-190).build().perform();
Thread.sleep(2000);
```

```
JavascriptExecutor js5=(JavascriptExecutor)w;
js5.executeScript("window.scrollTo(0,1000)");
```

```
WebElement drag25 =
w.findElement(By.xpath("//div[@id='cursorBottom']"));
a4.dragAndDropBy(drag25,160,70 ).build().perform();
```

Output Window:-

Console

```
<terminated> Project [Java Application] C:\Program Files\Java\jdk-16.0.1\bin\javaw.exe (J  
Starting ChromeDriver 90.0.4430.24 (4c6d850f087da467d926e8eddb76550ae  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-considerations  
ChromeDriver was started successfully.  
[1626285533.040][WARNING]: This version of ChromeDriver has not been  
Jul 14, 2021 11:28:53 PM org.openqa.selenium.remote.ProtocolHandshake  
INFO: Detected dialect: W3C  
Launch the Browser  
Title of page isToolsQA  
Total Links are 3  
You clicked a button  
Simple alert done  
This alert appeared after 5 seconds  
Do you confirm action?  
Please enter your name  
https://demoqa.com/sortable  
https://demoqa.com/selectable  
https://demoqa.com/resizable  
window is scrolled  
https://demoqa.com/droppable  
https://demoqa.com/droppable
```

MODULE -4

BOOK STORE APPLICATION

TOOLSQA Website

TC01 : Launch the browser

*Selenium WebDriver Test Script:

```
System.setProperty("webdriver.chrome.driver","C:\\Users\\Pooja\\Desktop\\selenium  
jar\\chromedriver.exe");
```

```
WebDriver w=new ChromeDriver();
```

```
w.get("http://demoga.com/");
```

```
w.get("http://demoga.com/books");
```

TC02:To check the functionality of Book Store
Button

```
JavascriptExecutor jss919=(JavascriptExecutor)w;
```

```
jss919.executeScript("window.scrollTo(0,2000)");
```

```
Thread.sleep(3000);
```

```
w.findElement(By.xpath("//body/div[@id='app']/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[6]/div[1]/ul[1]/li[2]/span[1]")).click();
```

```
Thread.sleep(3000);
```

```
TakesScreenshot t72 =(TakesScreenshot) w;
```

```
File srcc72 = t72.getScreenshotAs(OutputType.FILE);
```

```
Files.copy(srcc72, new File("F:\\Screenshot\\vidya14.png"));
```

```
Thread.sleep(3000);
```


TC03:To check the functionality of Book 1

//BOOK 1

```
w.findElement(By.xpath("//a[contains(text(),'Git Pocket Guide')]")).click();
```

```
Thread.sleep(3000);
```

```
JavascriptExecutor jss45=(JavascriptExecutor)w;
```

```
jss45.executeScript("window.scrollTo(0,2000)");
```

```
Thread.sleep(3000);
```

```
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();
```

```
Thread.sleep(3000);
```

TC04:To check the functionality of Book 2

//BOOK 2

```
w.findElement(By.xpath("//a[contains(text(),'Learning JavaScript Design Patterns')]")).click();
```

```
Thread.sleep(3000);
```

```
JavascriptExecutor jss46=(JavascriptExecutor)w;
```

```
jss46.executeScript("window.scrollTo(0,2000)");
```

```
Thread.sleep(3000);
```

```
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();
```

```
Thread.sleep(3000);
```

TC05:To check the functionality of Book 3

//BOOK 3

```
JavascriptExecutor jss47=(JavascriptExecutor)w;  
jss47.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//a[contains(text(),'Designing Evolvable Web APIs with  
ASP.NET')]")).click();  
Thread.sleep(3000);  
JavascriptExecutor jss48=(JavascriptExecutor)w;  
jss48.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();  
Thread.sleep(3000);
```

TC06:To check the functionality of Book 4

//BOOK 4

```
JavascriptExecutor jss49=(JavascriptExecutor)w;  
jss49.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//a[contains(text(),'Speaking JavaScript')]")).click();  
Thread.sleep(3000);  
JavascriptExecutor jss50=(JavascriptExecutor)w;  
jss50.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();  
Thread.sleep(3000);
```

TC07:To check the functionality of Book 5

//BOOK 5

```
JavascriptExecutor jss49=(JavascriptExecutor)w;  
jss49.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//a[contains(text(),' You Don't Know JS  
' )]]")).click(); You Don't Know JS  
Thread.sleep(3000);  
JavascriptExecutor jss50=(JavascriptExecutor)w;  
jss50.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();  
Thread.sleep(3000);
```

TC0:8To check the functionality of Book 6

//BOOK 6

```
JavascriptExecutor jss49=(JavascriptExecutor)w;  
jss49.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//a[contains(text(),' Programming JavaScript  
Application')]]")).click(); You Don't Know JS  
Thread.sleep(3000);  
JavascriptExecutor jss50=(JavascriptExecutor)w;  
jss50.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();  
Thread.sleep(3000);
```

TC09:To check the functionality of Book 7

//BOOK 7

```
JavascriptExecutor jss49=(JavascriptExecutor)w;  
jss49.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//a[contains(text(),' Eloquent JavaScript Second Edition  
' )]")).click(); You Don't Know JS  
Thread.sleep(3000);  
JavascriptExecutor jss50=(JavascriptExecutor)w;  
jss50.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();  
Thread.sleep(3000);
```

TC010:To check the functionality of Book 8

//BOOK 8

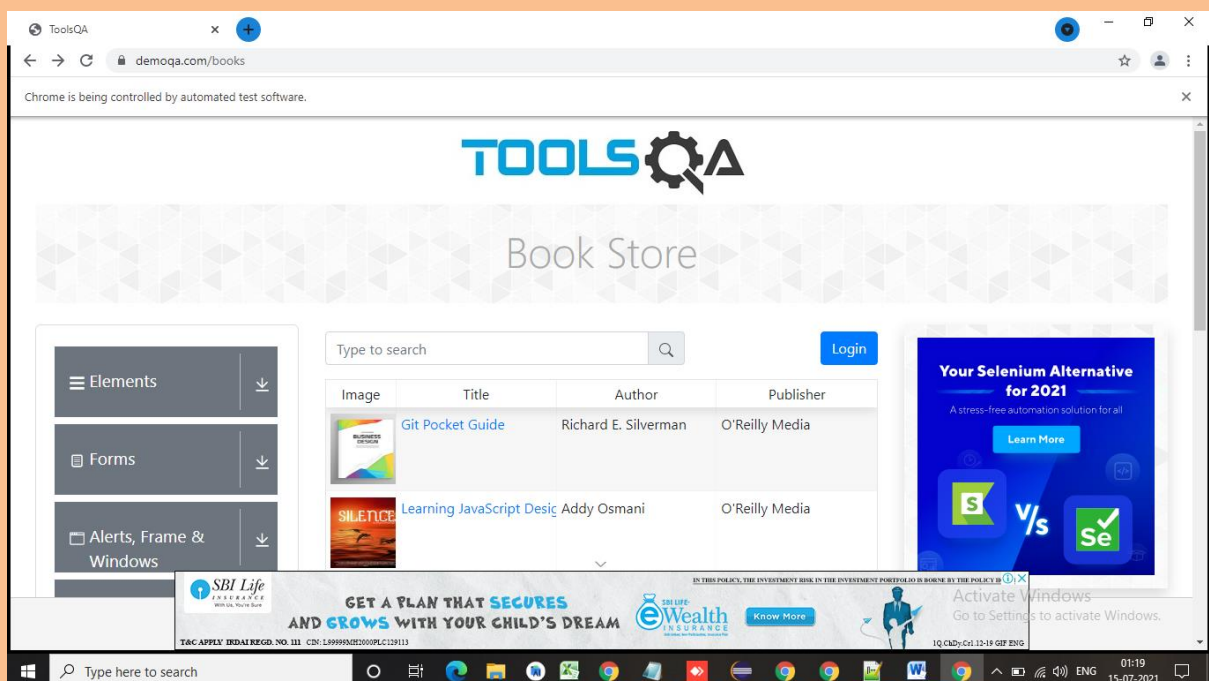
```
JavascriptExecutor jss49=(JavascriptExecutor)w;  
jss49.executeScript("window.scrollTo(0,2000)");  
Thread.sleep(3000);  
w.findElement(By.xpath("//a[contains(text(),' Understanging ECMAScript ' )]")).click();  
You Don't Know JS  
Thread.sleep(3000);  
JavascriptExecutor jss50=(JavascriptExecutor)w;
```

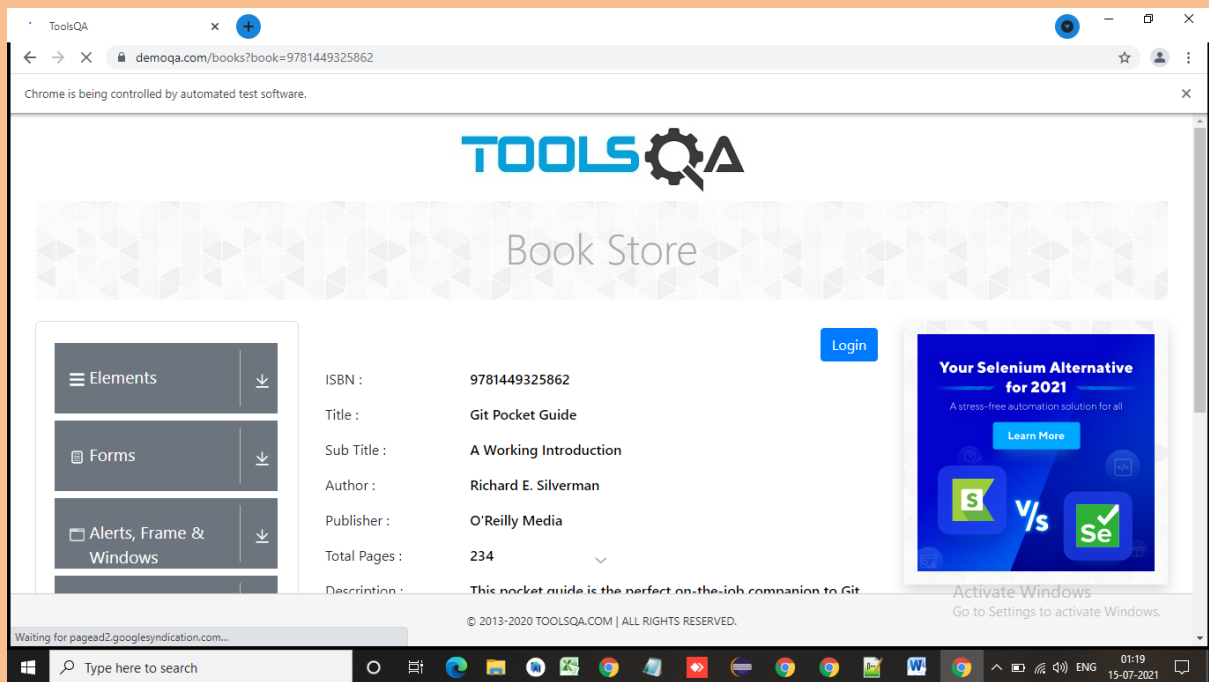
```
jss50.executeScript("window.scrollTo(0,2000)");
```

```
Thread.sleep(3000);
```

```
w.findElement(By.xpath("//button[@id='addNewRecordButton']")).click();
```

```
Thread.sleep(3000);
```





TC011:To check the functionality of Profile Button

//Profile

```
JavascriptExecutor jss51=(JavascriptExecutor)w;
```

```
jss51.executeScript("window.scrollTo(0,2000)");
```

```
Thread.sleep(3000);
```

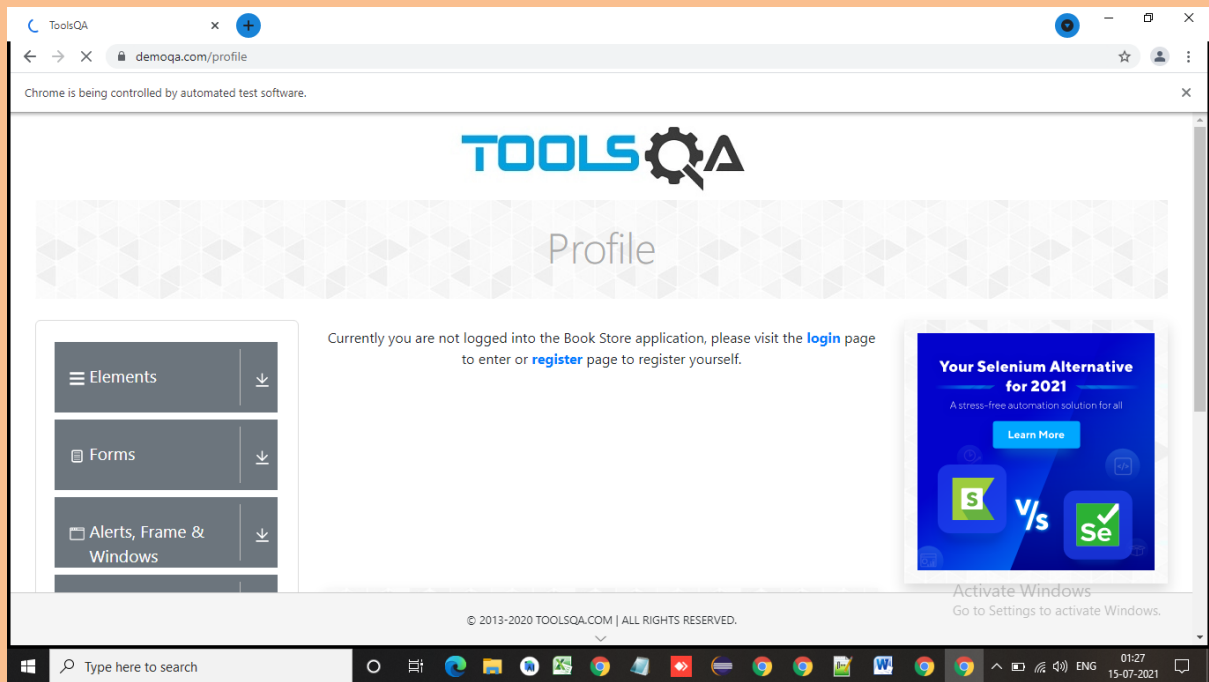
```
w.findElement(By.xpath("//span[contains(text(),'Profile')]")).click();
```

```
Thread.sleep(3000);
```

```
TakesScreenshot t73 =(TakesScreenshot) w;
```

```
File srcc73 = t73.getScreenshotAs(OutputType.FILE);
```

```
Files.copy(srcc73, new File("F:\\Screenshot\\vidya14.png"));
```



TC12:To check the functionality of Book Store API

//Book Store API

```
JavascriptExecutor jss52=(JavascriptExecutor)w;
```

```
jss52.executeScript("window.scrollTo(0,2000)");
```

```
//Thread.sleep(3000);
```

```
//w.navigate().refresh();
```

```
TakesScreenshot t523 =(TakesScreenshot) w;
```

```
File sr1cc = t523.getScreenshotAs(OutputType.FILE);
```

```
Files.copy(sr1cc, new File("F:\\Screenshot\\book.png"));
```

```
System.out.println("End");
```

```
w.navigate().back();
```

