EduBridge

on

Automation testing using Selenium Webdriver - Yatra Website

by

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Batch - EON (2021-5344)

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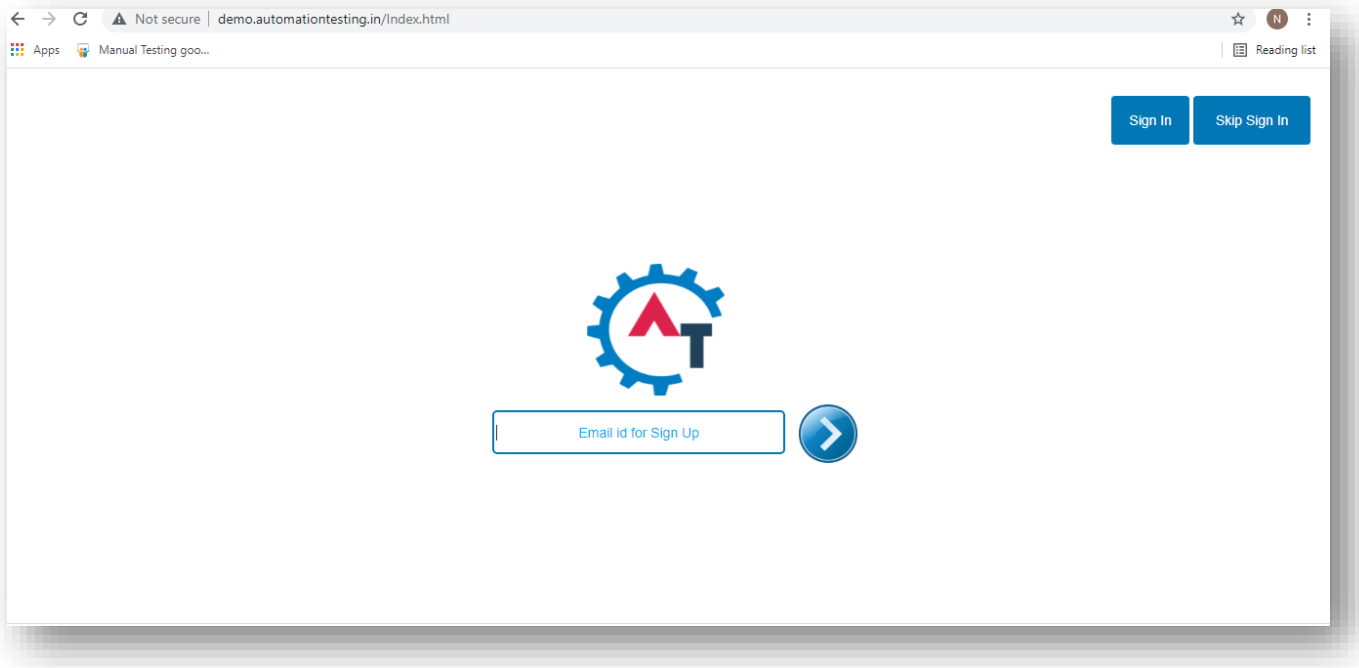
1. Introduction

This Project aims 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 includes title check and all links count with their working status.

Operating System	:	Window 10
Browser	:	Google Chrome Version 89.0.4389.90
IDE	:	Eclipse IDE 8.1
Language	:	Java
Framework	:	Selenium Webdriver

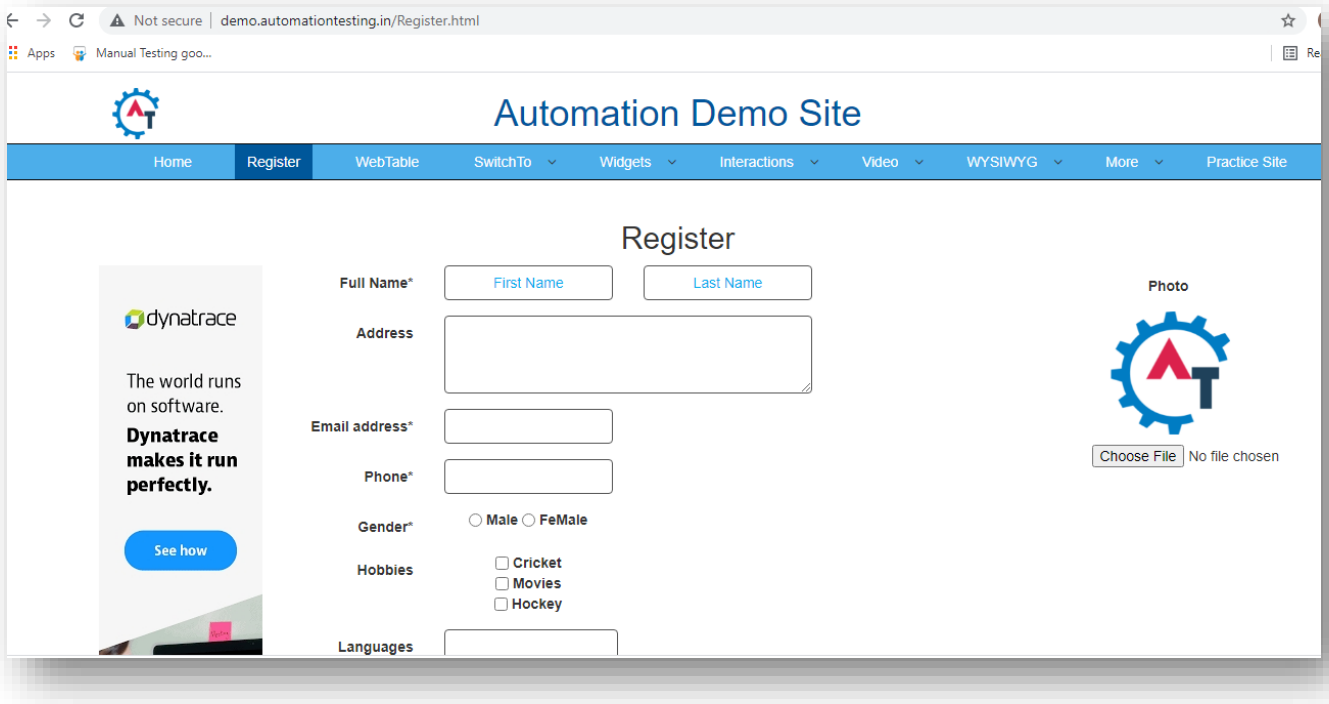
2. Launch the browser and open AUTOMATION DEMO website

```
public static void main(String[] args) throws InterruptedException {
System.setProperty("webdriver.chrome.driver","C:\\Users\\krishnakumar\\Desktop\\selenium
\\chromedriver.exe");
WebDriver w=new ChromeDriver();
w.manage().window().maximize();
Thread.sleep(2000);
w.get("http://demo.automationtesting.in/Index.html");
```



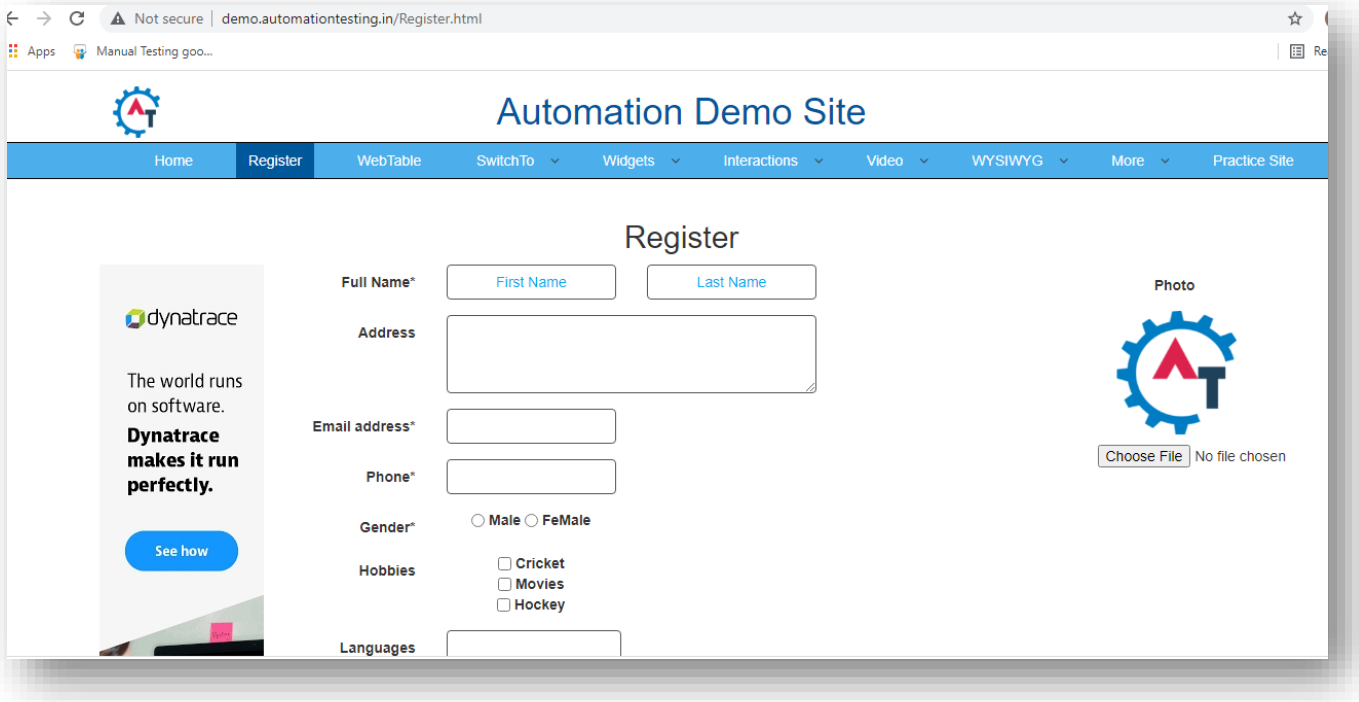
3. Checking the button for sign up with valid email id

```
w.findElement(By.id("email")).sendKeys("niva.tester@gmail.com");
Thread.sleep(2000);
w.findElement(By.id("enterimg")).click();
w.navigate().back();
w.findElement(By.id("email")).clear();
```



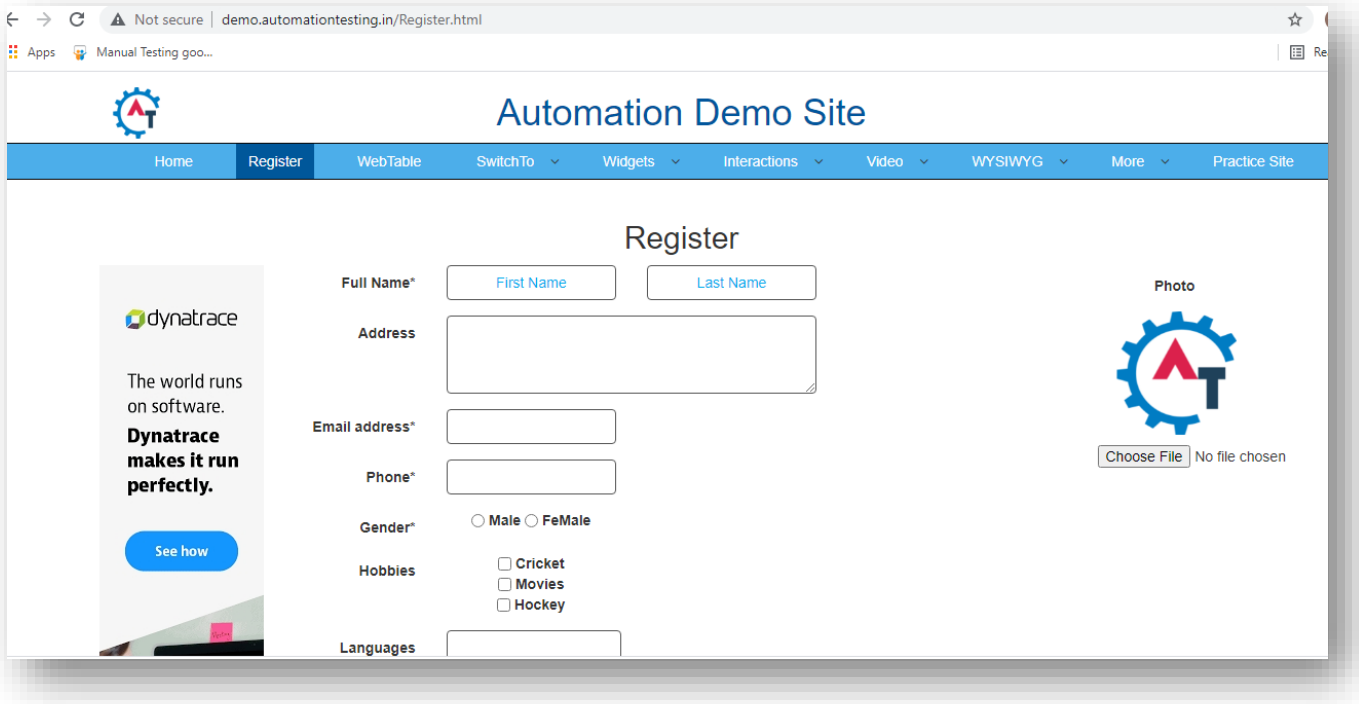
4. Checking the button for sign up with invalid email id

```
w.findElement(By.id("email")).sendKeys("nivagmail.com");
Thread.sleep(2000);
w.findElement(By.id("enterimg")).click();
w.navigate().back();
w.findElement(By.id("email")).clear();
```



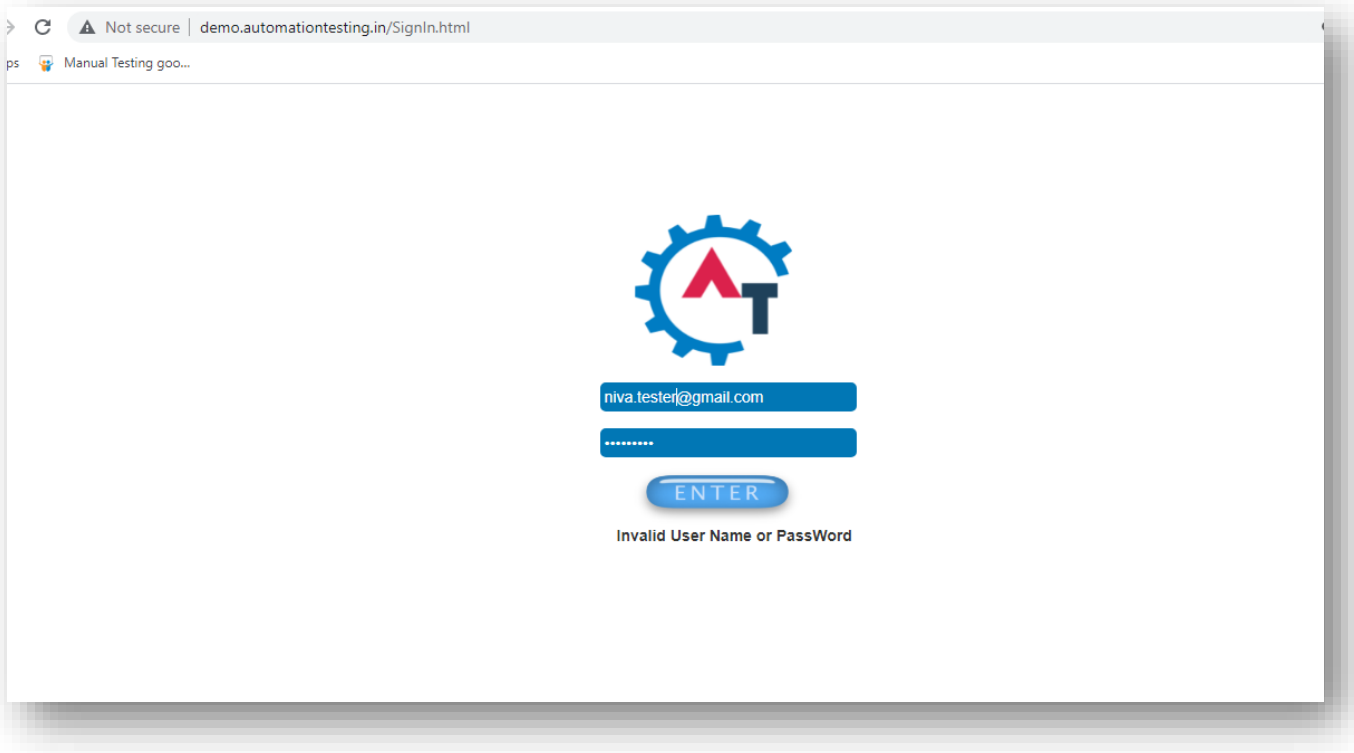
5. Checking the button for sign up with invalid email id

```
w.findElement(By.id("email")); Thread.sleep(2000);
w.findElement(By.id("enterimg")).click();
Thread.sleep(3000);w.navigate().back();
System.out.println("sign up section done sucessfully");
```



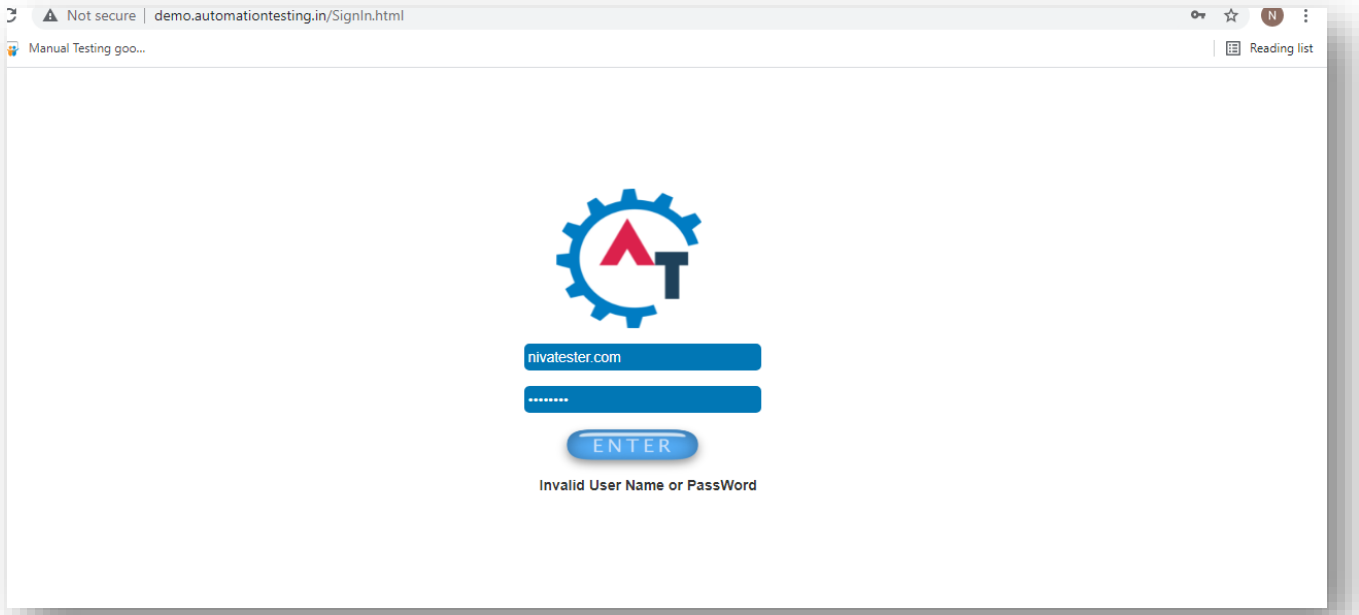
6. Sign in button with valid credentials

```
w.findElement(By.linkText("Sign In")).click();
w.findElement(By.xpath("/html/body/div/div/div[2]/input")).sendKeys("niva.tester@g
mail.com");
w.findElement(By.xpath("/html/body/div/div/div[3]/input")).sendKeys("mnbvczx");Thread.slee
p(3000);
w.findElement(By.xpath("//*[@id=\"enterbtn\"]")).click();Thread.sleep(3000);
```



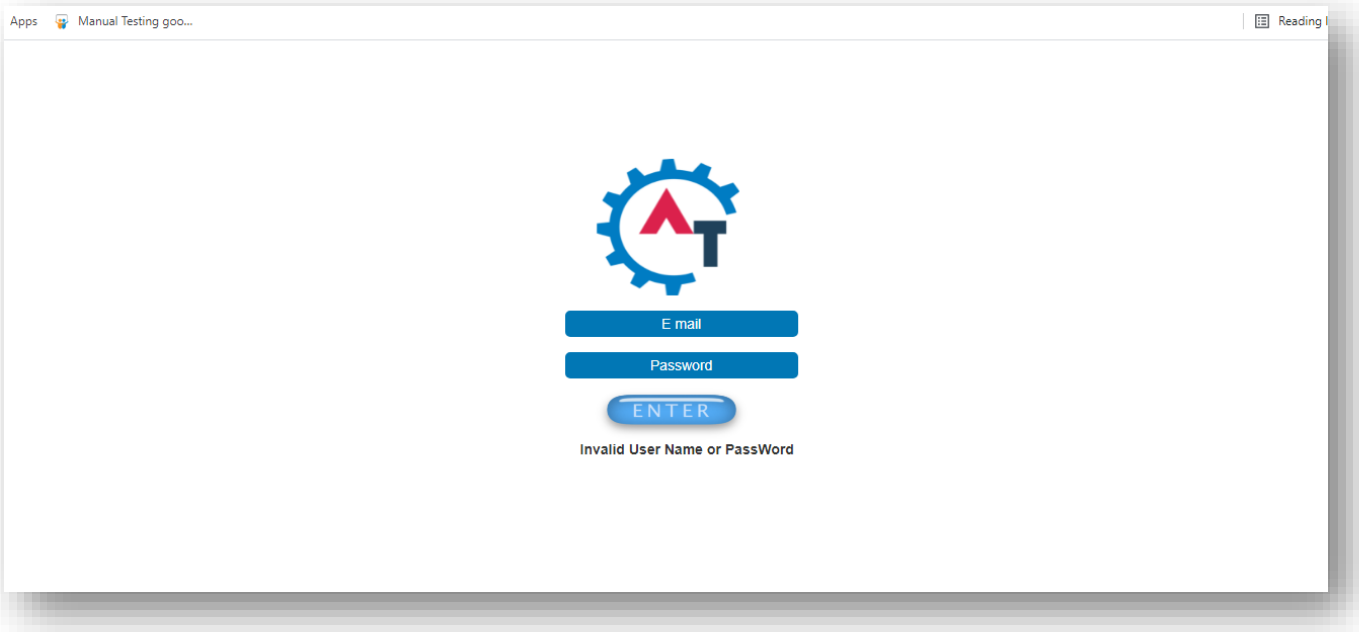
7. Sign in button with invalid email id

```
w.findElement(By.xpath("/html/body/div/div/div[2]/input")).clear();
w.findElement(By.xpath("/html/body/div/div/div[3]/input")).clear();
w.findElement(By.xpath("/html/body/div/div/div[2]/input")).sendKeys("nivatester.com");
w.findElement(By.xpath("/html/body/div/div/div[3]/input")).sendKeys("mnkk");
Thread.sleep(3000);
w.findElement(By.xpath("//*[@id=\"enterbtn\"]")).click();Thread.sleep(3000);
w.navigate().back();
Thread.sleep(3000);
```



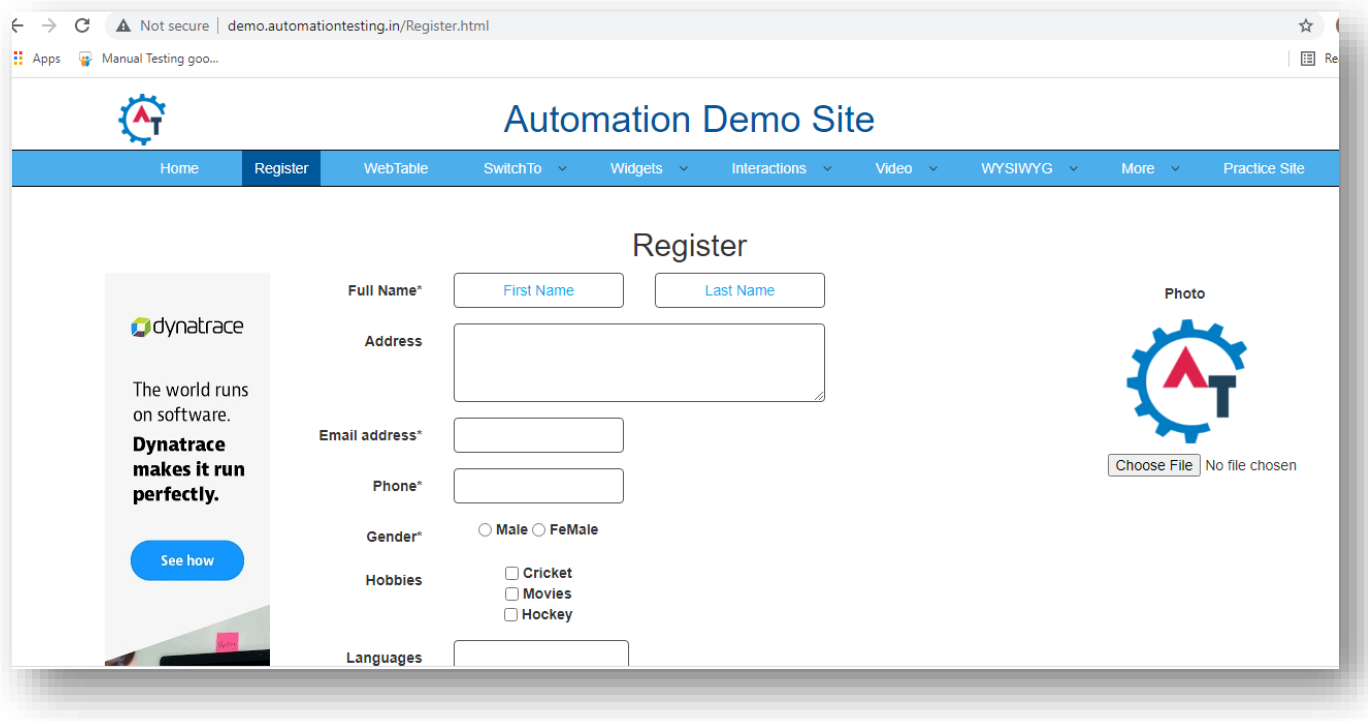
8. Sign in button with blank fields

```
w.findElement(By.linkText("Sign In")).click();
w.findElement(By.xpath("/html/body/div/div/div[2]/input"));
w.findElement(By.xpath("/html/body/div/div/div[3]/input")); Thread.sleep(3000);
w.findElement(By.xpath("//*[@id=\"enterbtn\"]")).click();
w.navigate().back();
```



9. Checking the functionality of "skip the sign in button"

```
w.findElement(By.id("btn2")).click();
```



10. Checking the functionality of vertical scrolling

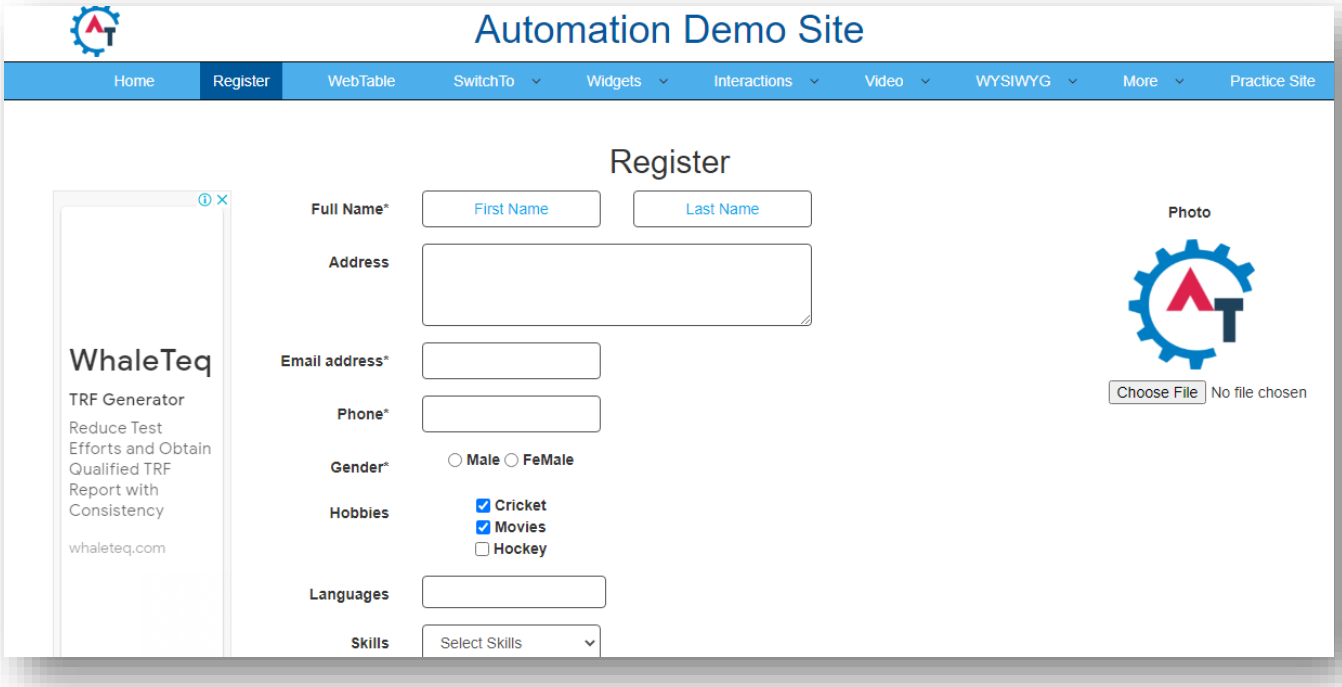
```
JavascriptExecutor js =(JavascriptExecutor)w;
js.executeScript("window.scrollTo(0,document.body.scrollHeight)","");
System.out.println("page end");
//in register section
```

11. To check the radio button for gender

```
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[5]/div/label[2]/input")).click();
System.out.println("radio button section done sucessfully");
```

12. To check the functionality of check boxes for hobbies

```
w.findElement(By.id("checkbox2")).click();
w.findElement(By.id("checkbox3")).click();
System.out.println("check boxes are done sucessfully");
```

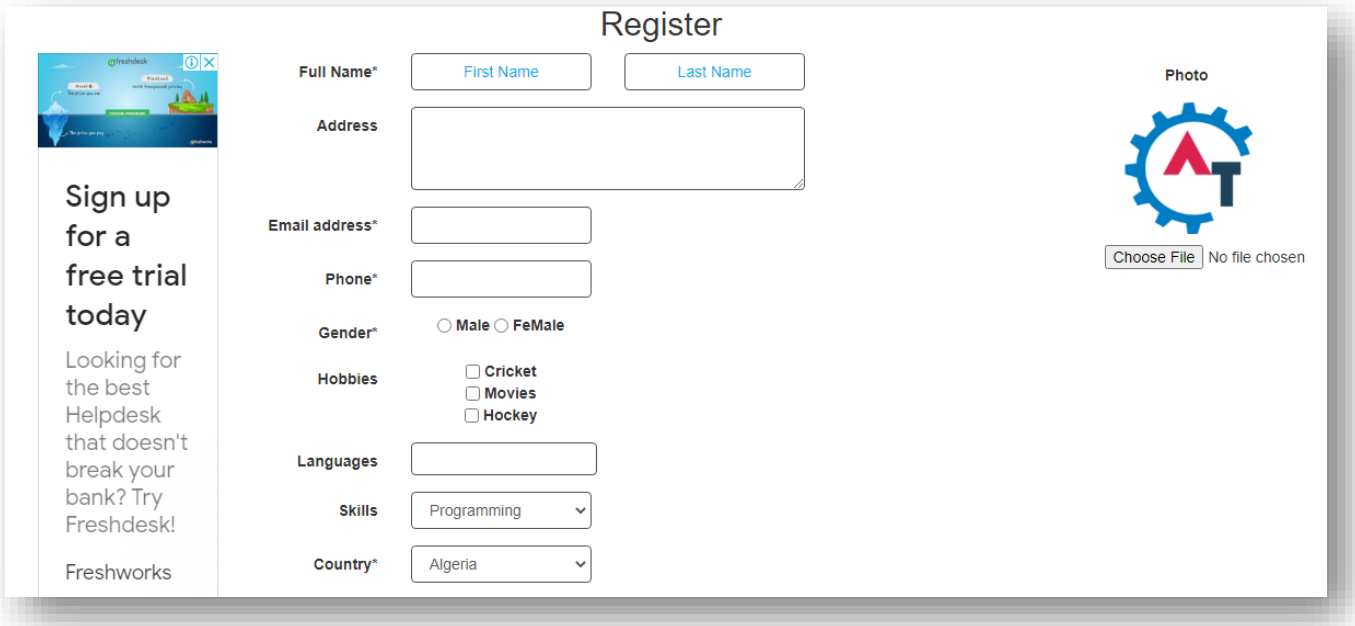


13. To check the functionality of drop-down box for skills

```
Select s0=new Select(w.findElement(By.id("Skills")));
s0.selectByVisibleText("Programming");
```

14. To check the functionality of drop-down box for country

```
Select s4=new Select(w.findElement(By.id("countries")));
s4.selectByVisibleText("Algeria");
```



15. To check the functionality of drop-down box for date

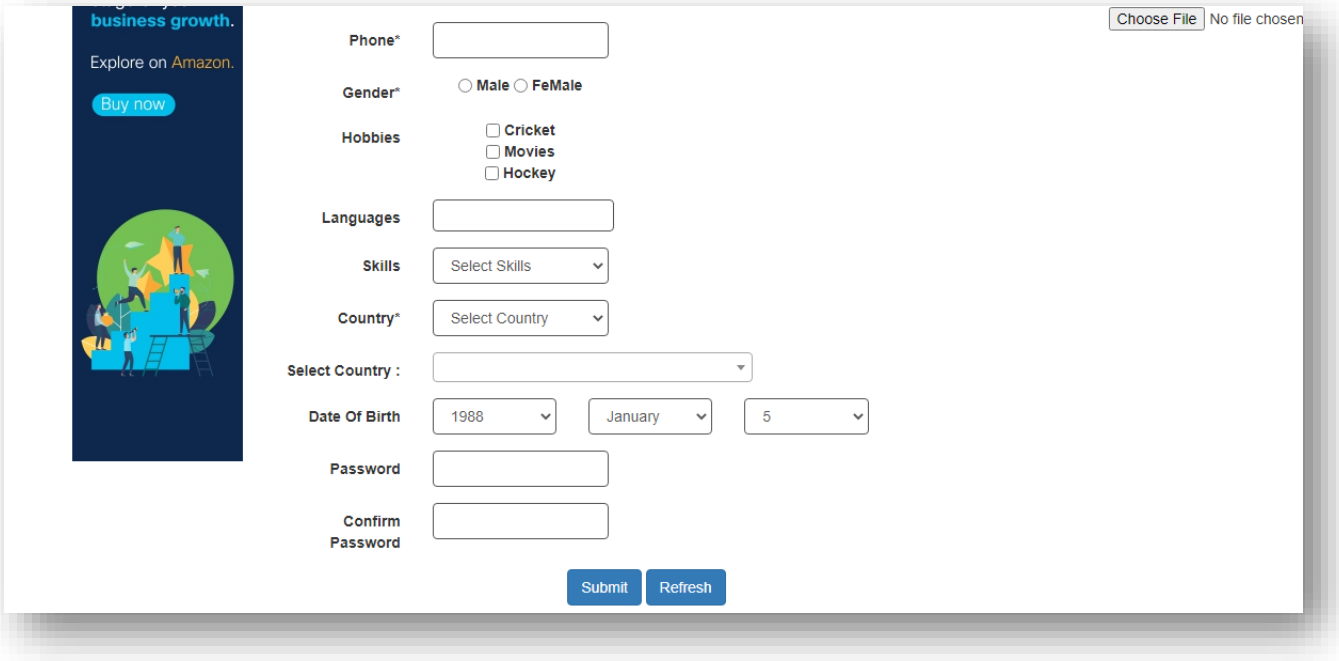
```
Select s01=new Select(w.findElement(By.id("daybox")));
s01.selectByVisibleText("15");
```

16. To check the functionality of drop-down box for month

```
Select s1=new
Select(w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[11]/div[2]/select")));
s1.selectByVisibleText("January");
```

17. To check the functionality of drop-down box for year

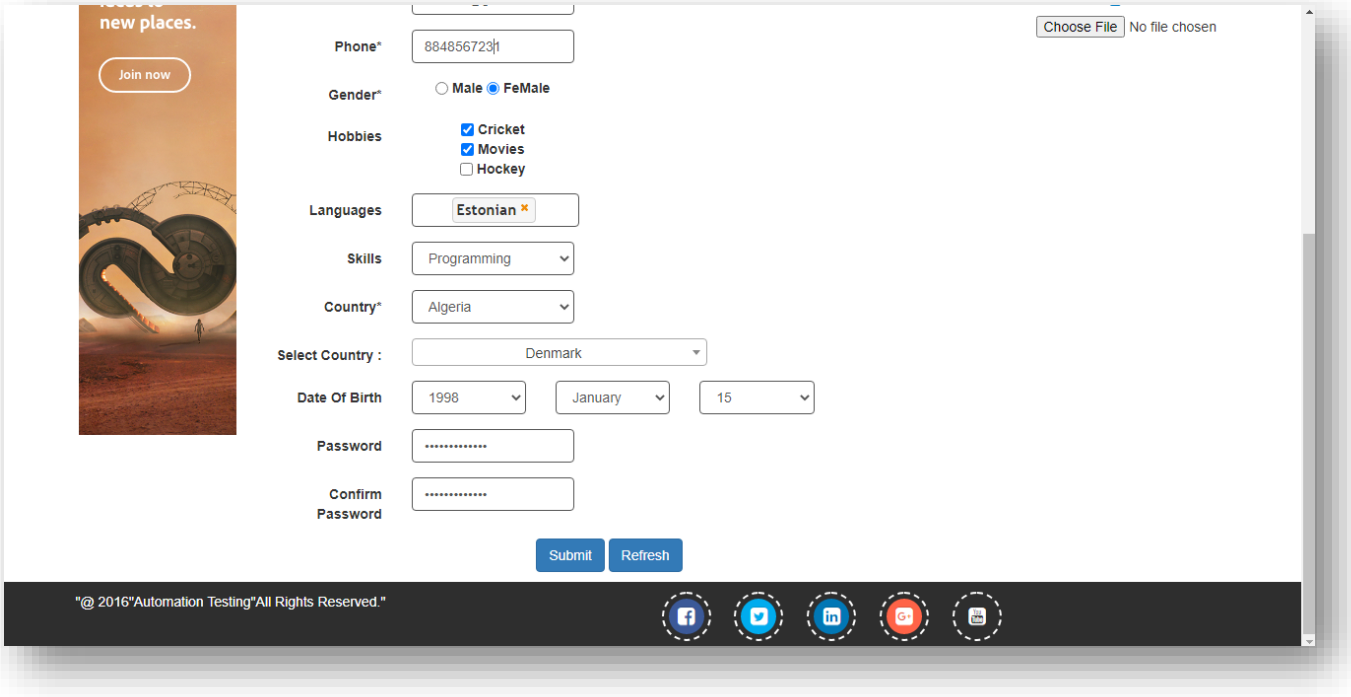
```
Select s2=new Select(w.findElement(By.id("yearbox")));
s2.selectByVisibleText("1998");
System.out.println("drop box section done sucessfully");
```



18. To check the functionality of submit button with valid data

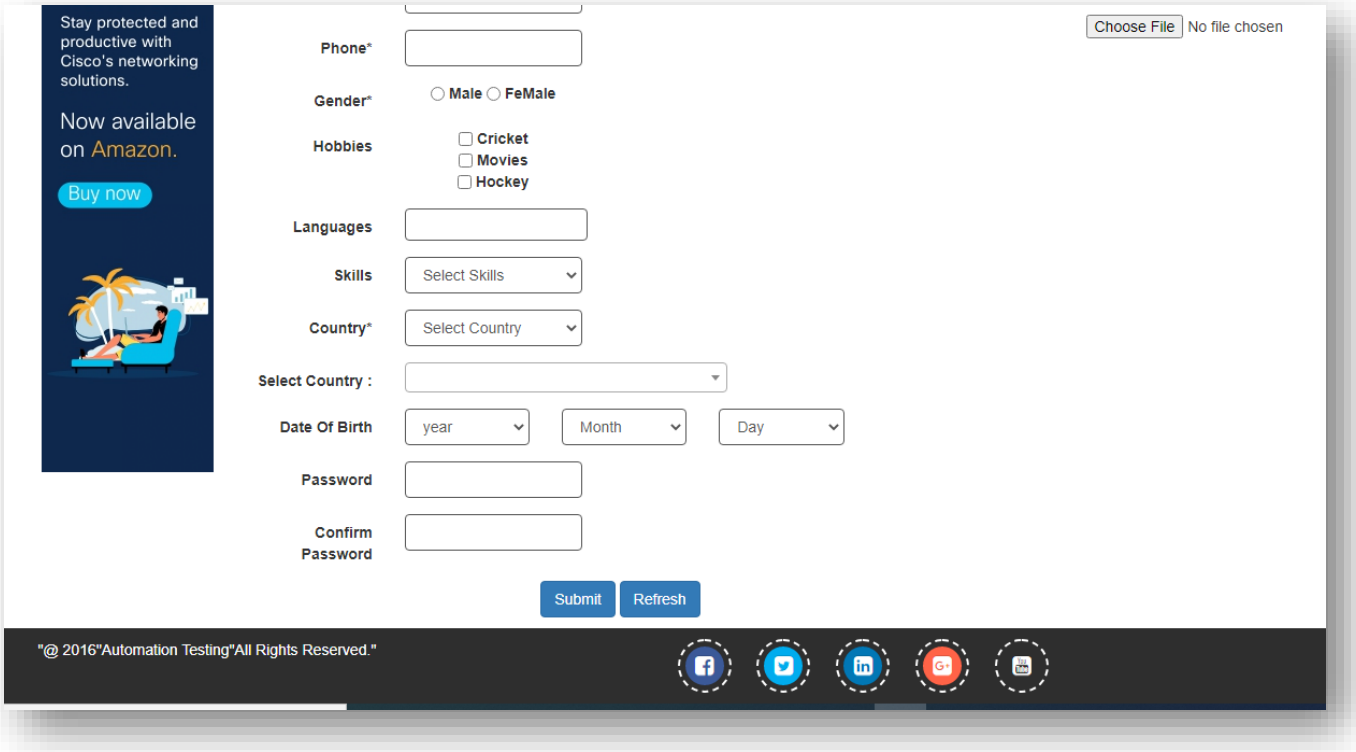
```
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[1]/div[1]/input")).sendKeys("kavitha");
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[1]/div[2]/input")).sendKeys("raut");
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[2]/div/textarea")).sendKeys("pune maharashtra");
w.findElement(By.xpath("//*[@id=\"eid\"]/input")).sendKeys("kavitha.tester@gmail.com");
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[4]/div/input")).sendKeys("9876543210");
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[5]/div/label[2]/input")).click();
w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[5]/div/label[2]/input")).click();
w.findElement(By.id("checkbox2")).click();
w.findElement(By.id("checkbox3")).click();
w.findElement(By.xpath("//*[@id=\"msdd\"]")).click();
w.findElement(By.linkText("Estonian")).click();
Select s10=new Select(w.findElement(By.id("Skills")));
s10.selectByVisibleText("Programming");
Select s11=new Select(w.findElement(By.id("countries")));
s11.selectByVisibleText("Algeria");
Select s12=new Select(w.findElement(By.id("daybox")));
s12.selectByVisibleText("15");
Select s13=new
Select(w.findElement(By.xpath("//*[@id=\"basicBootstrapForm\"]/div[11]/div[2]/select")));
s13.selectByVisibleText("January");
Select s14=new Select(w.findElement(By.id("yearbox")));
```

```
        s14.selectByVisibleText("1998");w.findElement(By.id("firstpassword")).sendKeys("PASsword01"
);
        w.findElement(By.id("secondpassword")).sendKeys("PASsword01");
        w.findElement(By.id("submitbtn")).click();
        System.out.println("submit section sucessfully");
```



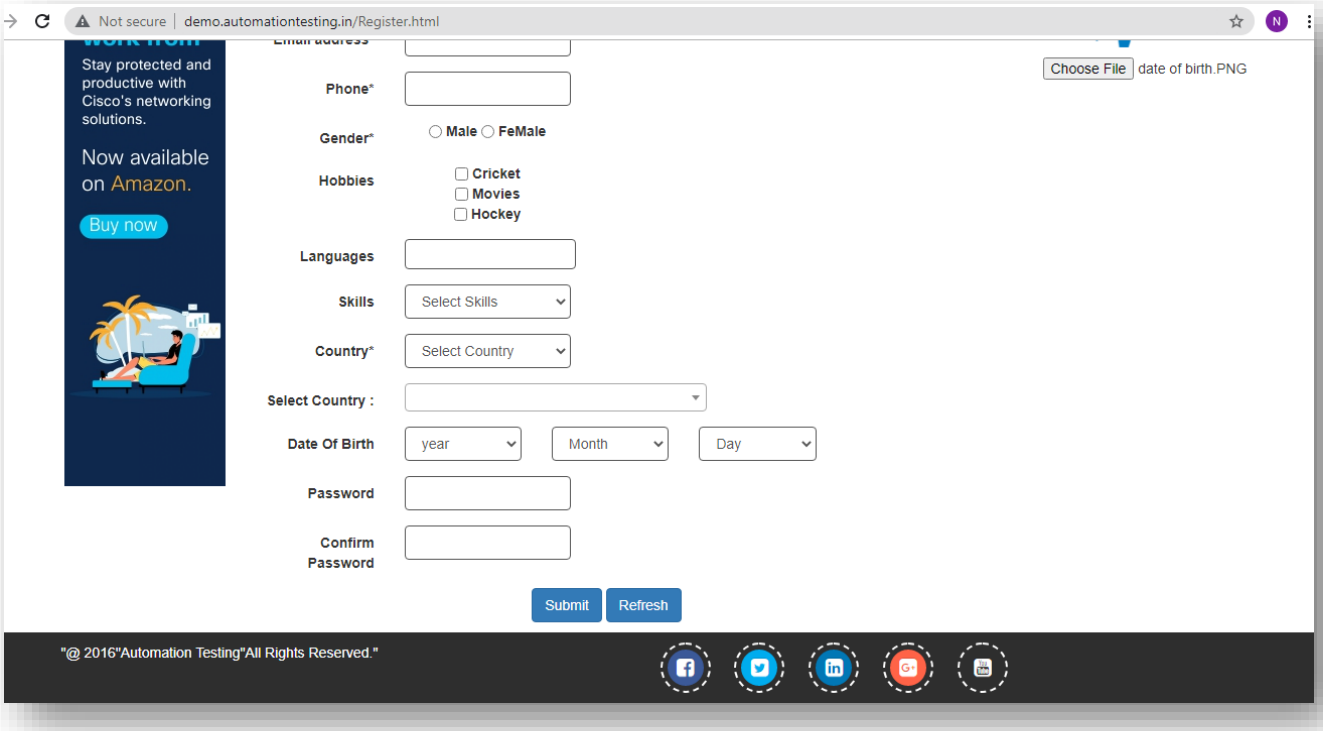
19. To check the functionality of refresh button

```
w.findElement(By.id("Button1")).click();
```



20. To check the functionality of 'choose file 'option for file upload

```
WebElement upload_file= w.findElement(By.xpath("//*[@id=\"imagesrc\"]"));
upload_file.sendKeys("C:\\Users\\krishnakumar\\Desktop\\date of birth.png");
System.out.println("upload file sucessfully");
```

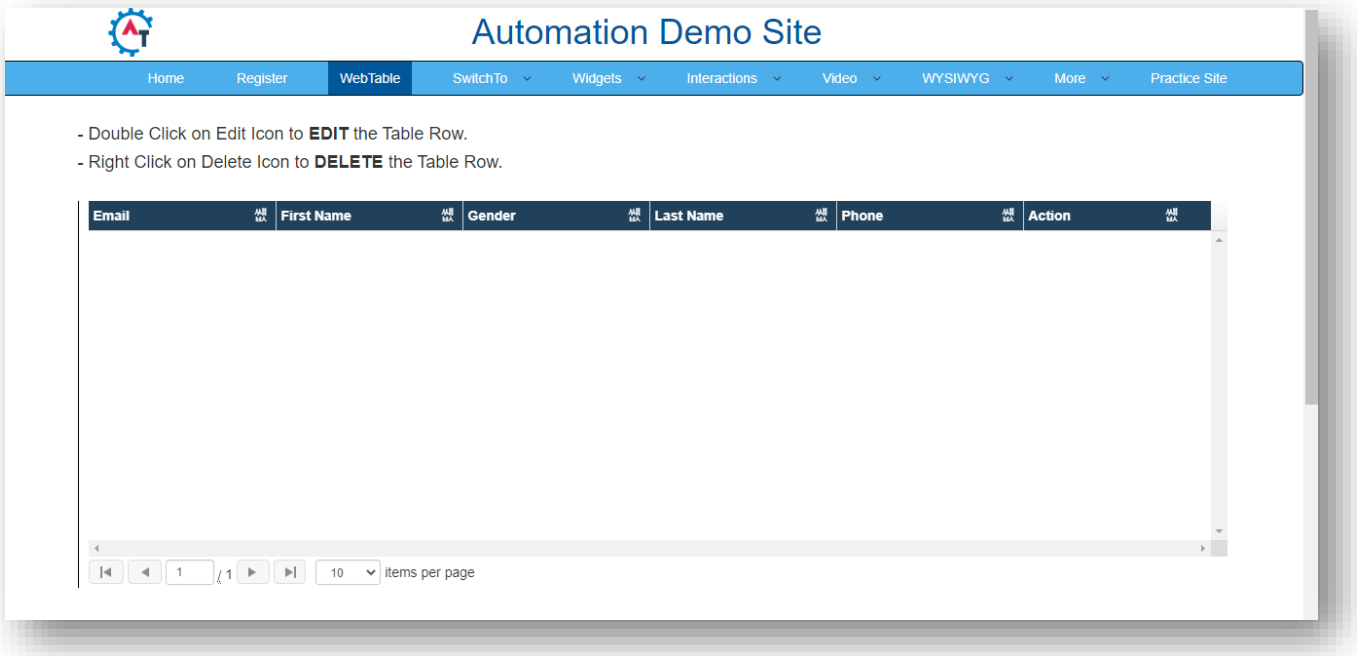


21. To check the screenshot of the function working properly or not screenshot

```
TakesScreenshot ts=(TakesScreenshot)w;
File src=ts.getScreenshotAs(OutputType.FILE);
File trg=new File("C:\\Users\\krishnakumar\\Desktop\\automation.png");
Files.copy(src,trg);
System.out.println("take screenshot sucessfully");
```

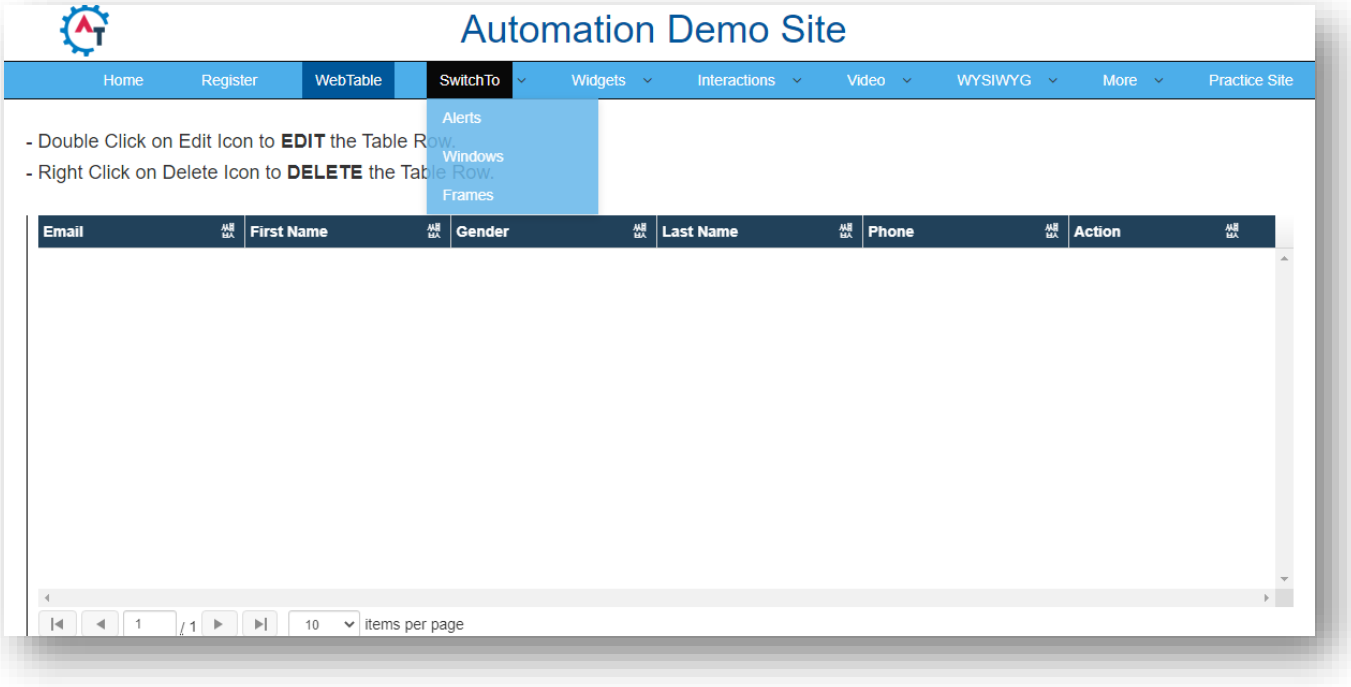
22. To check the functionality of Web Table button

```
w.findElement(By.linkText("WebTable")).click();
w.navigate().back();
```



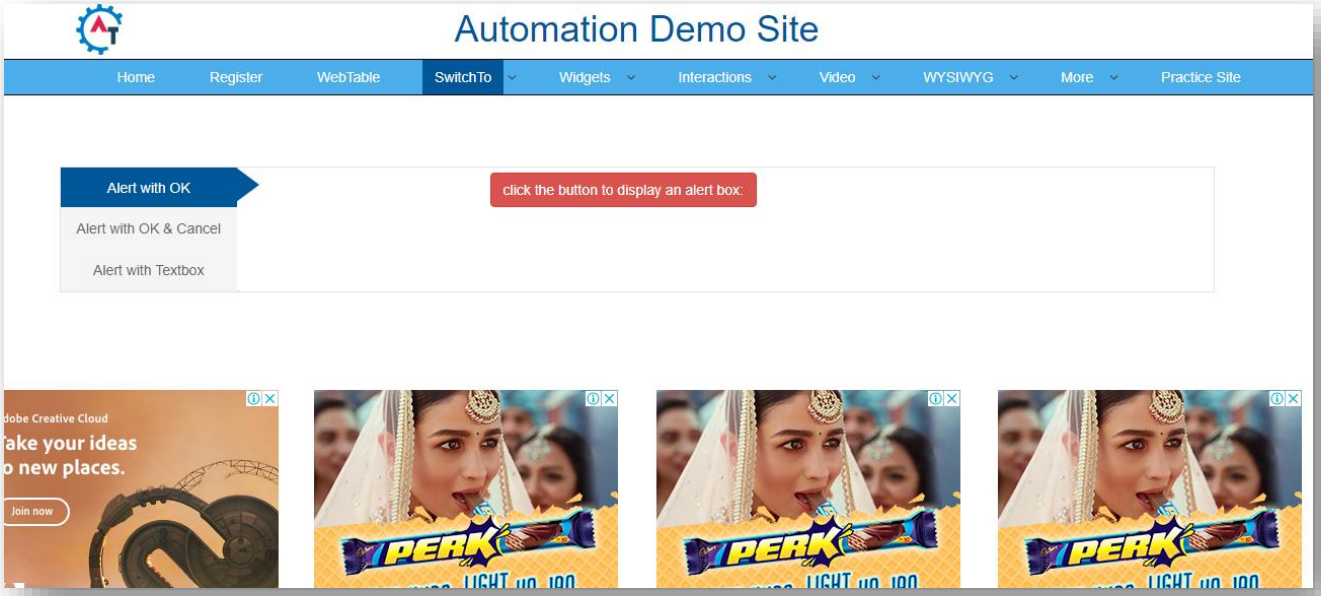
23. To check the functionality of switch to (mouse hover)

```
Actions act=new Actions(w);
act.moveToElement(w.findElement(By.linkText("SwitchTo"))).perform();
```



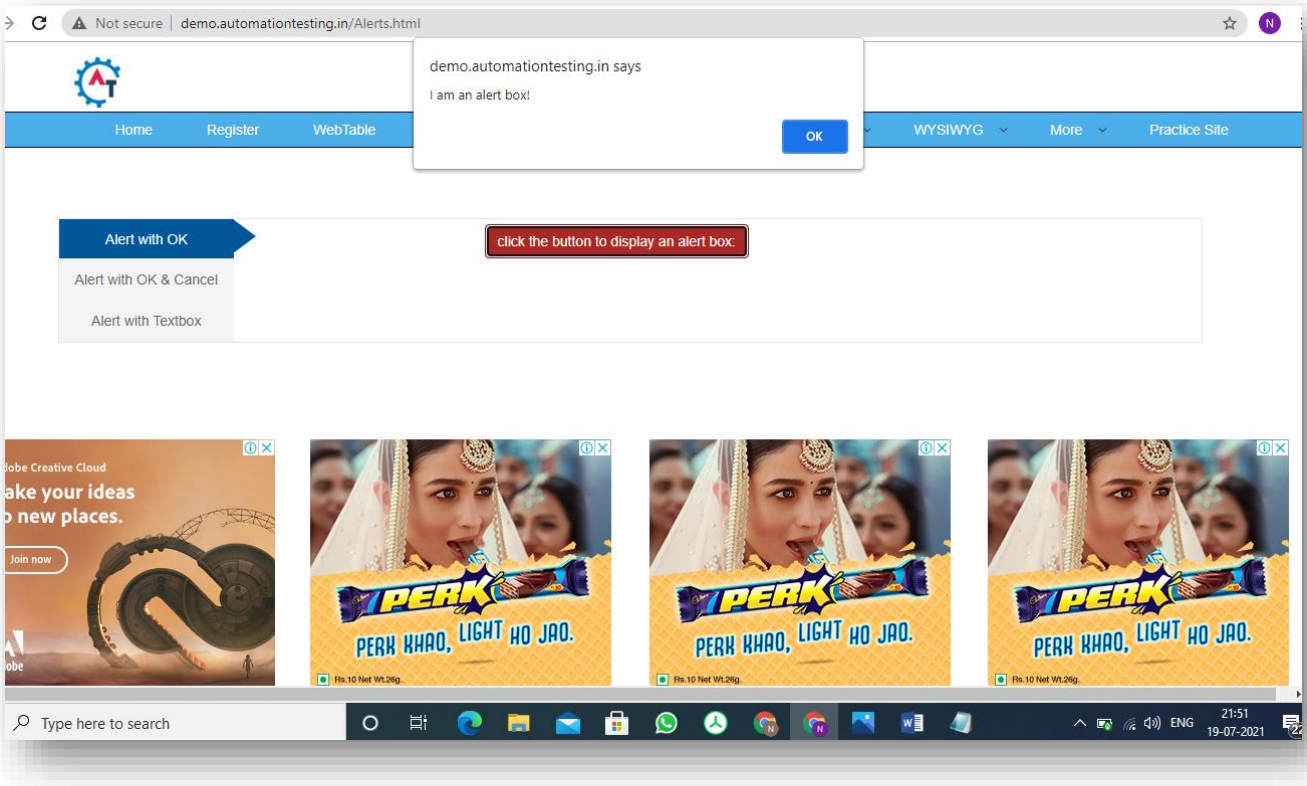
24. To check the functionality of alert

```
act.moveToElement(w.findElement(By.xpath("//*[@id=\"header\"]/nav/div/div[2]/ul/li[4]/ul/li[
1]/a"))).click().perform();
Thread.sleep(2000);
```



25. To check the functionality of alert with okay

```
w.findElement(By.xpath("//*[@id=\"OKTab\"]/button")).click();
Thread.sleep(3000);
w.switchTo().alert().accept();
Thread.sleep(3000);
```



26. To check the functionality of alert with ok and cancel

```
w.findElement(By.xpath("/html/body/div[1]/div/div/div/div[1]/ul/li[2]/a ")).click();
```

27. To check the functionality of 'click the button to display an alert box'

```
w.findElement(By.xpath("//*[@id=\"CancelTab\"]/button")).click();Thread.sleep(3000);
w.switchTo().alert().accept();
Thread.sleep(3000);
```

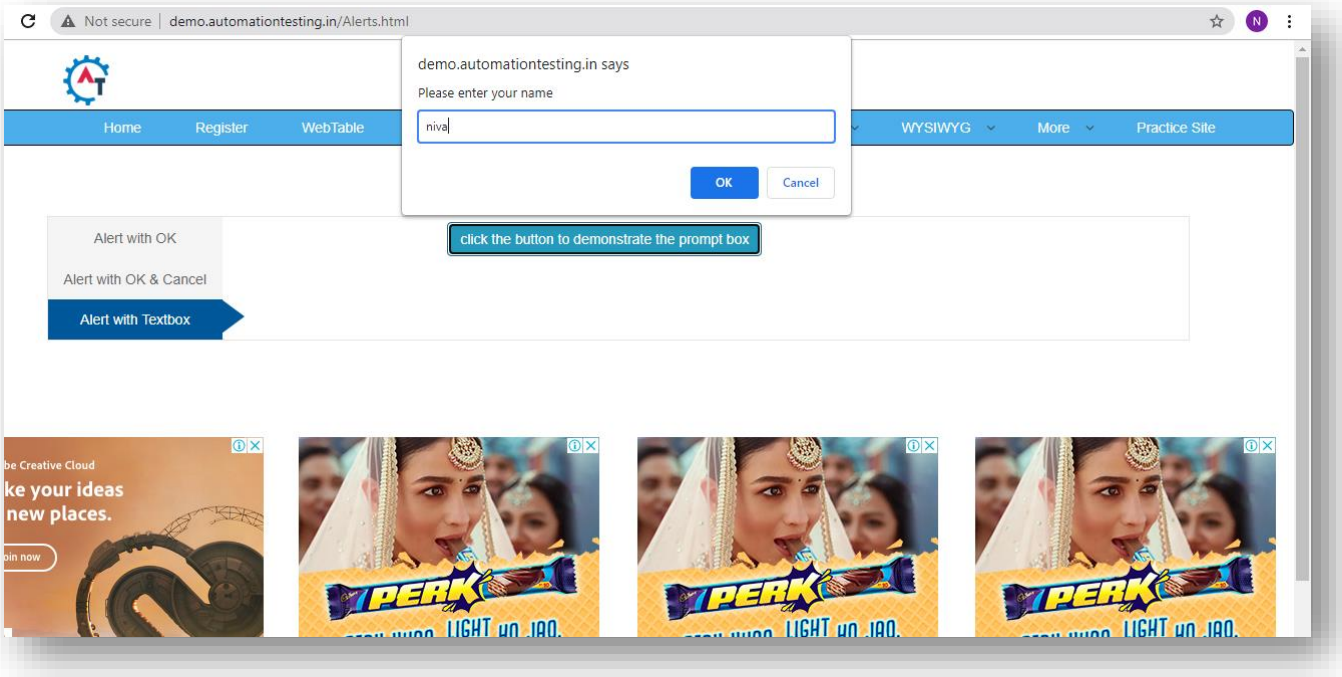
28. To check the functionality of alert with text

```
w.findElement(By.xpath("/html/body/div[1]/div/div/div/div[1]/ul/li[3]/a")).click();
```

29. To check the functionality of click the button to demonstrate the prompt box

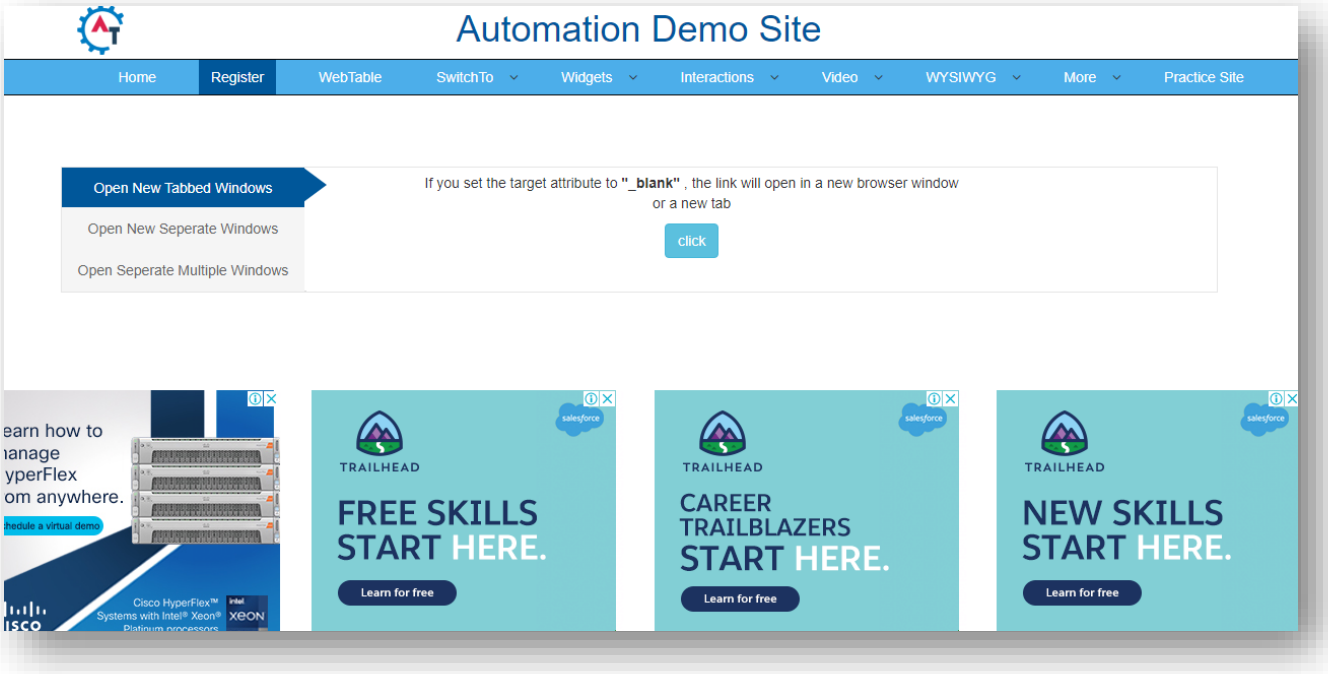
```
w.findElement(By.xpath("//*[@id=\"Textbox\"]/button")).click();Thread.sleep(3000);
Alert A1=w.switchTo().alert();
A1.sendKeys("niva");
Thread.sleep(3000);

A1.accept();
System.out.println("alert section completed sucessfully");
```



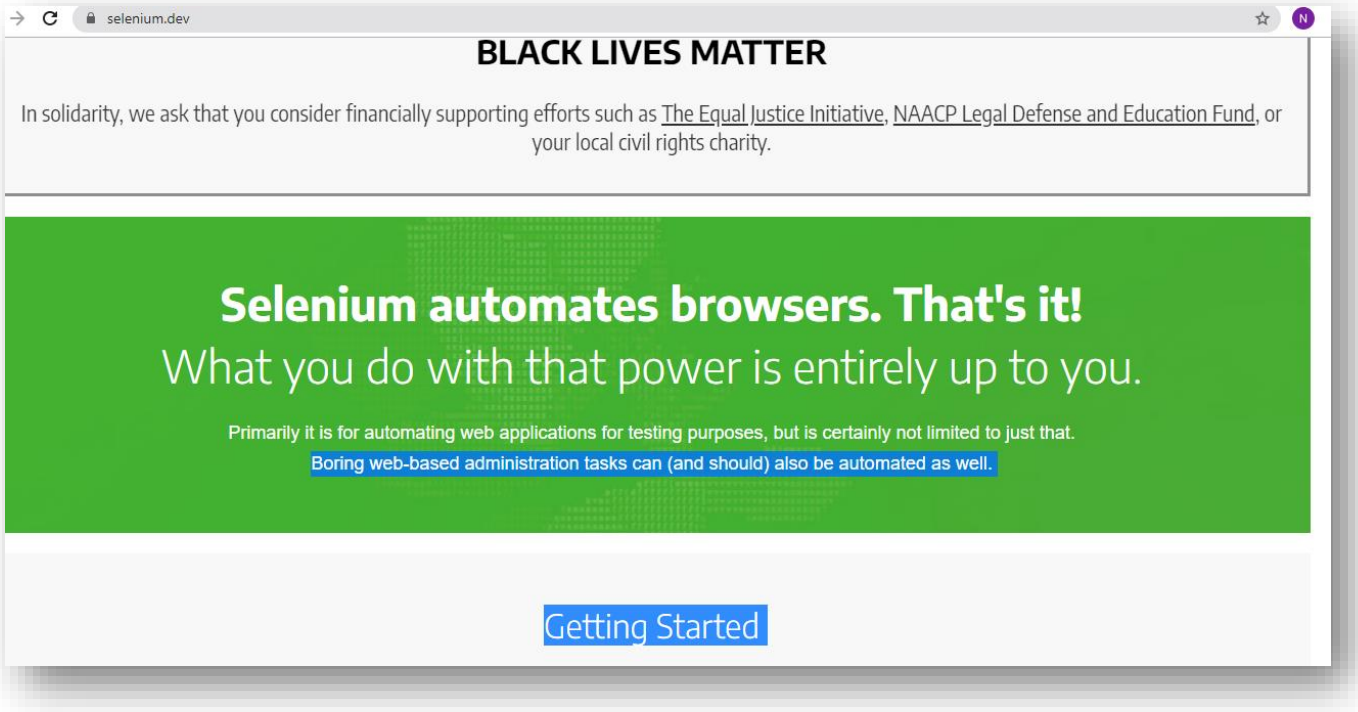
30. To check the functionality of windows

```
act.moveToElement(w.findElement(By.linkText("SwitchTo"))).perform();
Thread.sleep(2000);
act.moveToElement(w.findElement(By.linkText("Windows"))).click().perform();
Thread.sleep(5000);
act.sendKeys(Keys.ESCAPE).build().perform();
```



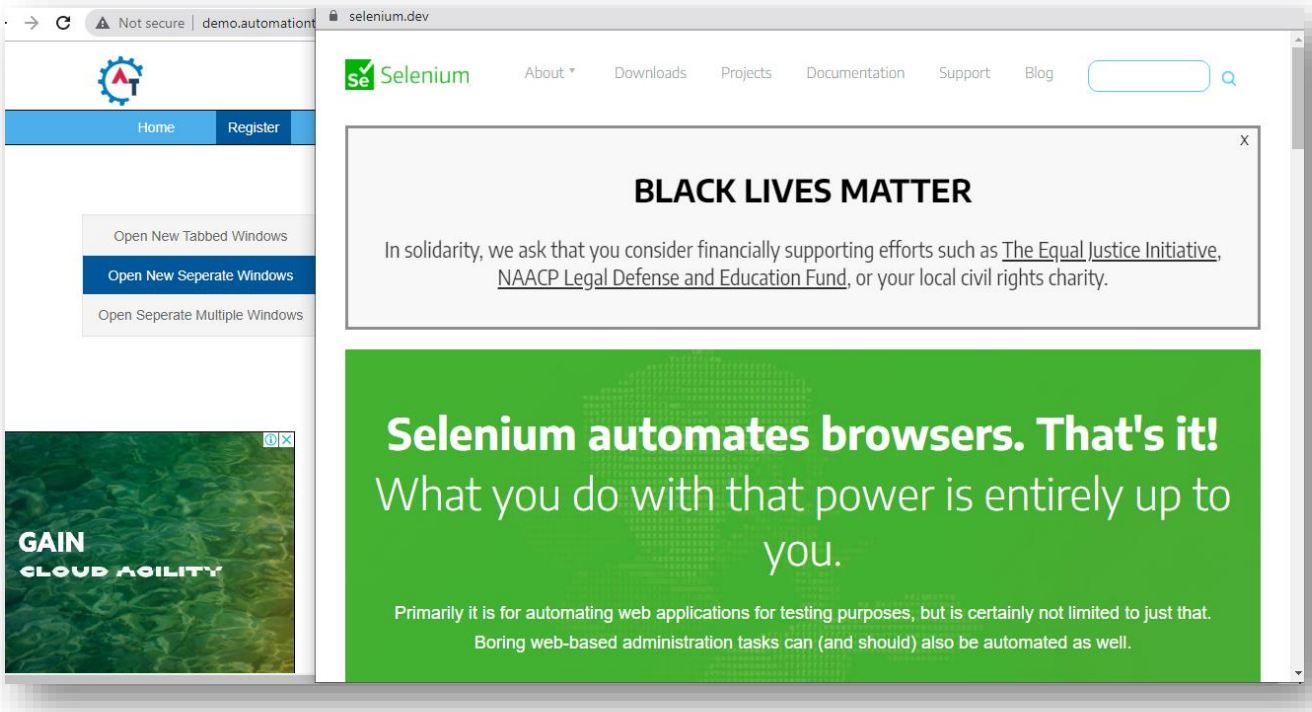
31. To check the functionality of open new tabbed windows

```
w.findElement(By.xpath("//*[@id='Tabbed']/a/button")).click();
Set<String> windows=w.getWindowHandles();
Iterator<String >it=windows.iterator();
String parent_window1=it.next();
String child_window1=it.next();
w.switchTo().window(parent_window1);
Thread.sleep(5000);
w.switchTo().window(child_window1);
Thread.sleep(5000);
w.switchTo().window(parent_window1);
Thread.sleep(5000);
```



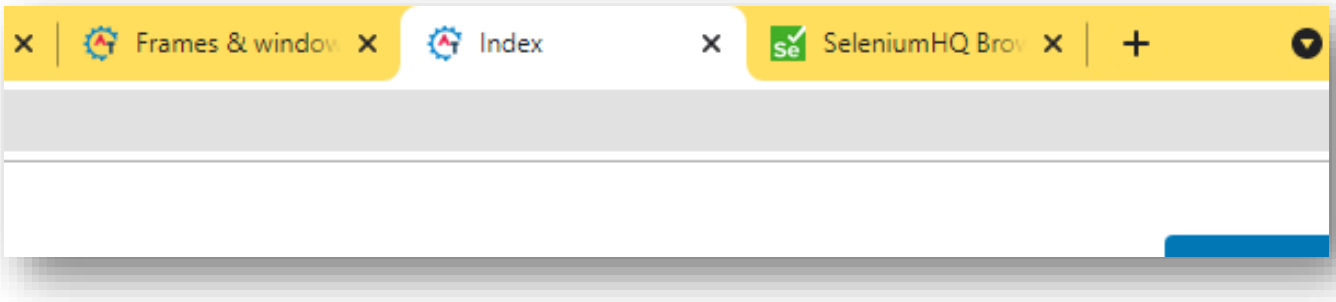
32. To check the functionality of Open New Separate Windows

```
w.findElement(By.linkText("Open New Seperate Windows")).click();
w.findElement(By.xpath("//*[@id=\"Seperate\"]/button")).click();
Thread.sleep(5000);
Set<String> windows1=w.getWindowHandles();
Iterator<String >it1=windows1.iterator();
String child_window2=it1.next();
w.switchTo().window(child_window2);
Thread.sleep(5000);
w.switchTo().window(parent_window1);
```

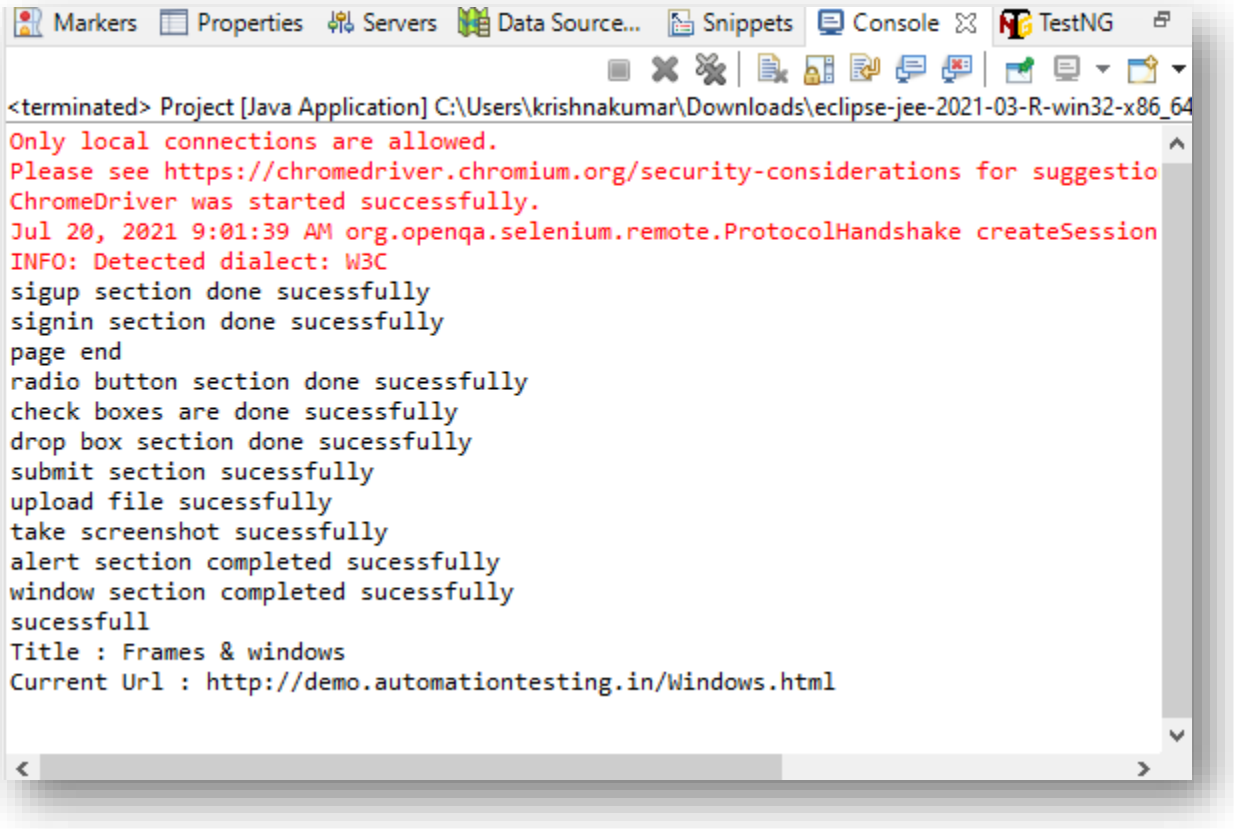


33. To check the functionality of Open Separate Multiple Windows

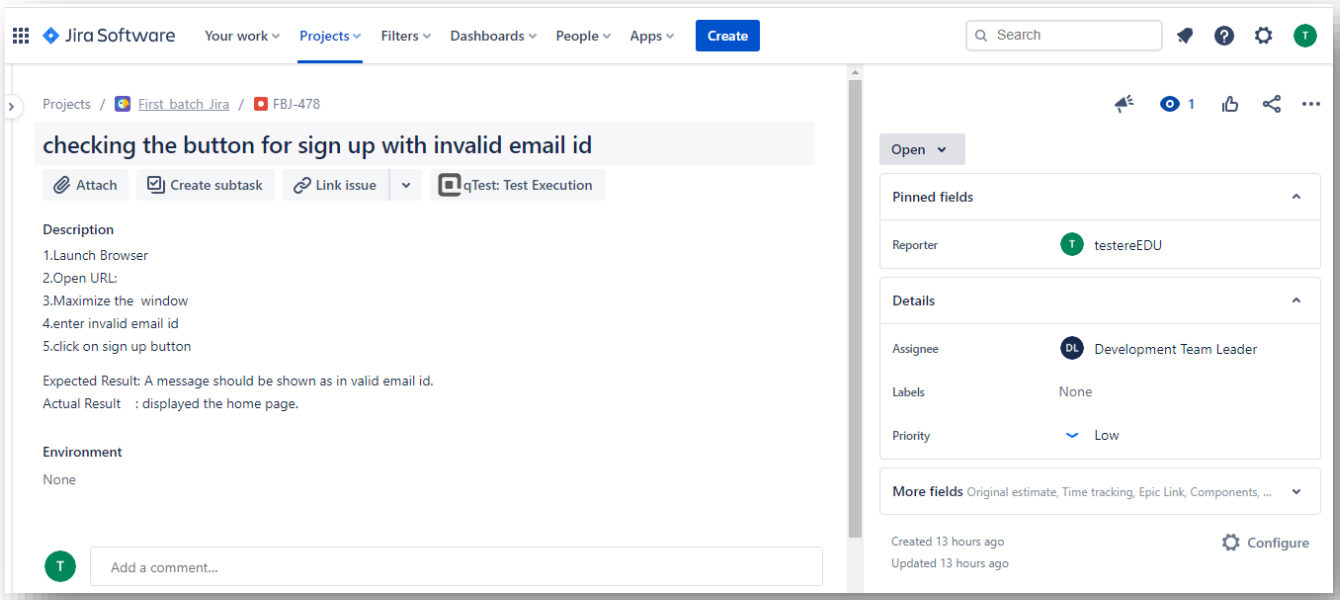
```
w.findElement(By.linkText("Open Seperate Multiple Windows")).click();
w.findElement(By.xpath("//*[@id=\"Multiple\"]/button")).click();
Thread.sleep(5000);
Set<String> windows3=w.getWindowHandles();
Iterator<String >it3=windows3.iterator();
String child_window3=it3.next();
w.switchTo().window(child_window3);
w.switchTo().window(parent_window1);
System.out.println("window section completed sucessfully");
 System.out.println("sucessfull");
```

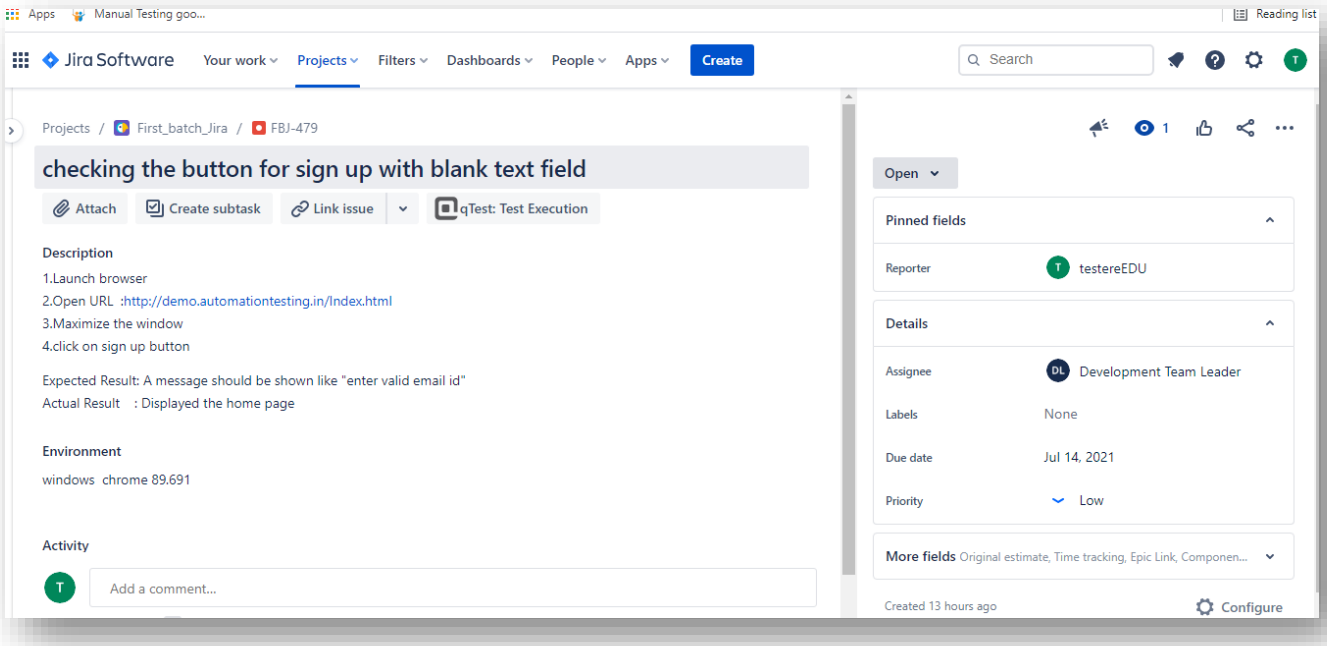


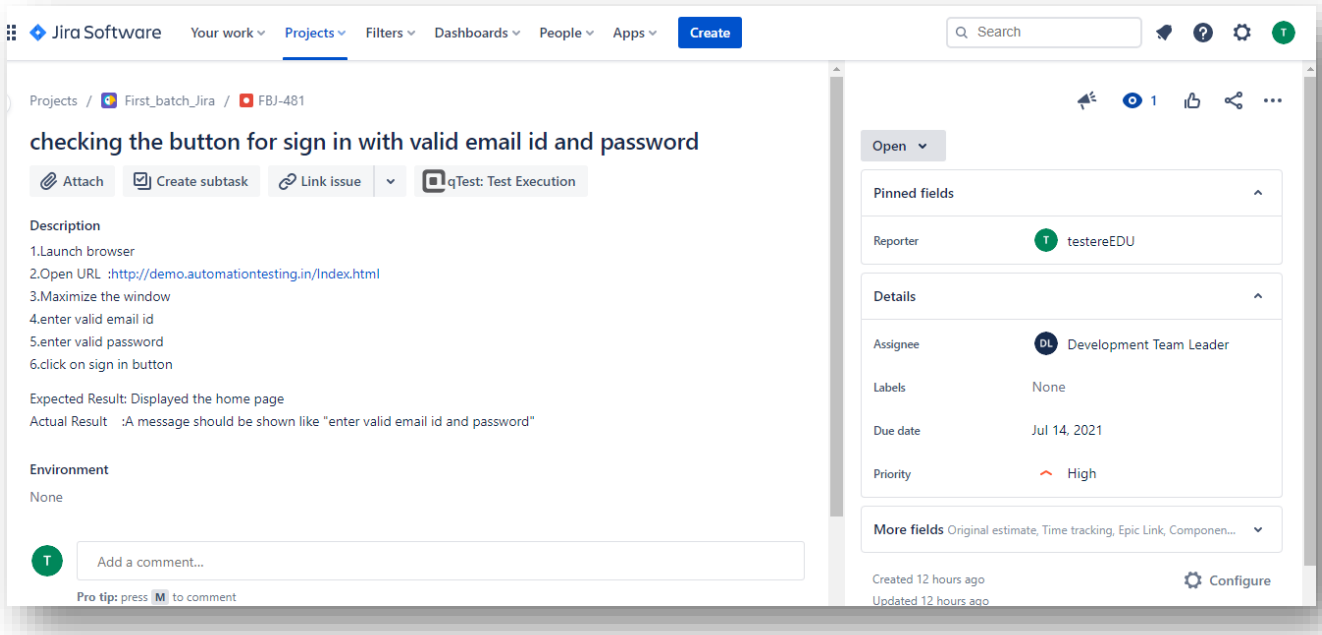
```
System.out.println("Title : " + w.getTitle() );
System.out.println("Current Url : "+w.getCurrentUrl());
w.quit();
```

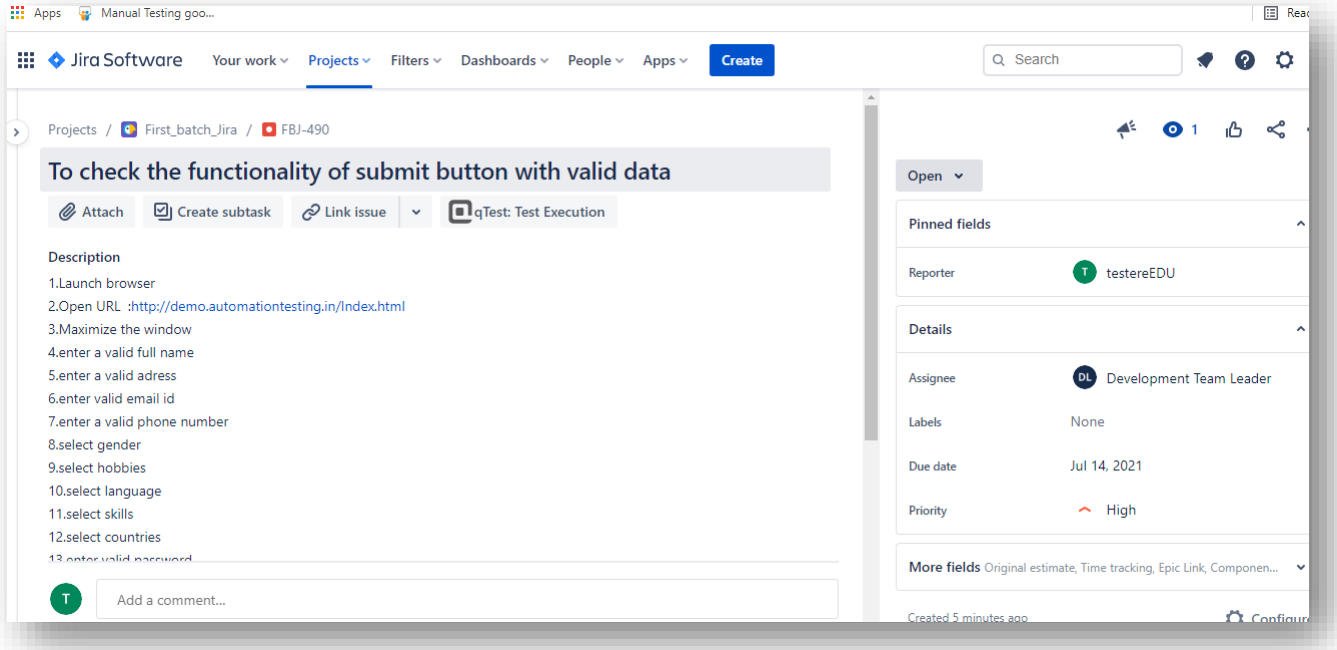


34. DEFECTS REPORTED IN JIRA






Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Projects / First_batch_Jira / FBJ-481
checking the button for sign in with valid email id and password
Attach
Create subtask
Link issue
qTest: Test Execution
Description
1.Launch browser
2.Open URL :http://demo.automationtesting.in/Index.html
3.Maximize the window
4.enter valid email id
5.enter valid password
6.click on sign in button
Expected Result: Displayed the home page
Actual Result :A message should be shown like "enter valid email id and password"
Environment
None
Add a comment...
Pro tip: press M to comment
Open
Pinned fields
Reporter
testereEDU
Details
Assignee
Development Team Leader
Labels
None
Due date
Jul 14, 2021
Priority
High
More fields Original estimate, Time tracking, Epic Link, Componen...
Created 12 hours ago
Updated 12 hours ago
Configure


Apps
Manual Testing goo...
Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Projects / First_batch_Jira / FBJ-490
To check the functionality of submit button with valid data
Attach
Create subtask
Link issue
qTest: Test Execution
Description
1.Launch browser
2.Open URL :http://demo.automationtesting.in/Index.html
3.Maximize the window
4.enter a valid full name
5.enter a valid adress
6.enter valid email id
7.enter a valid phone number
8.select gender
9.select hobbies
10.select language
11.select skills
12.select countries
Add a comment...
Open
Pinned fields
Reporter
testereEDU
Details
Assignee
Development Team Leader
Labels
None
Due date
Jul 14, 2021
Priority
High
More fields Original estimate, Time tracking, Epic Link, Componen...
Created 5 minutes ago