**//Fluentwait sees at regular interval if en element is loaded**

**import** **static** org.testng.Assert.*assertEquals*;

**import** **static** org.testng.Assert.*assertNotEquals*;

**import** java.io.OutputStream;

**import** java.io.PrintStream;

**import** java.time.Duration;

**import** java.util.concurrent.TimeUnit;

**import** java.util.function.Function;

**import** java.util.stream.Stream;

**import** org.openqa.selenium.NoSuchElementException;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.chrome.ChromeOptions;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.openqa.selenium.support.ui.Wait;

**import** org.testng.Assert;

**import** org.testng.asserts.SoftAssert;

**import** dev.failsafe.Timeout;

**import** org.openqa.selenium.support.ui.FluentWait;

**public** **class** Locators {

**public** **static** **void** main(String[] args)

{

//try {

// SoftAssert obj=new SoftAssert();

//OutputStream os=new OutputStream();

System.*getProperty*("webdriver.gecko.driver","C:\\Users\\gaya\_\\OneDrive\\Documents\\geckodriver-v0.32.2-win32\\geckodriver.exe");

// optionfirefox.addArguments("--remote-allow-origins=\*");//

WebDriver wd=**new** FirefoxDriver();

// wd.get("http://www.rahulshettyacademy.com");

// FirefoxOptions optionfirefox = new FirefoxOptions();

// System.getProperty("webdriver.gecko.driver","C:\\Users\\gaya\_\\OneDrive\\Documents\\geckodriver-v0.32.2-win32\\geckodriver.exe");

// System.setProperty("webdriver.chrome.driver", "C:\\Users\\gaya\_\\Downloads\\chromedriver\_win32 (3)\\chromedriver.exe");

//ChromeOptions co=new ChromeOptions();

// co.addArguments("--remote-allow-origins=\*");

//WebDriver wd=new ChromeDriver();

String eTitle = "Demo Guru99 Page";

String aTitle = "" ;

// launch Chrome and redirect it to the Base URL

wd.get("http://softwaretestingplace.blogspot.com/2017/02/selenium-fluent-wait.html" );

//Maximizes the browser window

wd.manage().window().maximize() ;

// wd.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);

// wd.findElement(By.id("philadelphia-field-email")).sendKeys("Gayatri");

wd.findElement(By.*xpath*("//div[@dir=\"ltr\"]//button")).click();

// wd.findElement(By.id("philadelphdgsfsdgdgsdgsafhvhfsahfdhavdhasvdhsahdfydsagfdgsfgdsfia-field-email")).click();

/\*

FluentWait<WebDriver> wait = new FluentWait<WebDriver>(wd)

.withTimeout(Duration.ofMillis(30000))

.pollingEvery(Duration.ofMillis(5000))

.ignoring(NoSuchElementException.class);

WebElement element = wait.until(new Function<WebDriver, WebElement>() {

public WebElement apply(WebDriver driver) {

WebElement element = driver.findElement(By.xpath("//p[@id=\"demo\"]"));

String getTextOnPage = element.getText();

if(getTextOnPage.equals("Software Testing Material - DEMO PAGE")){

System.out.println(getTextOnPage);

return element;

}else{

System.out.println("FluentWait Failed");

return null;

}

}

});

\*/

**FluentWait<WebDriver> wait=new FluentWait<WebDriver>(wd).withTimeout(Duration.*ofMillis*(8000)).pollingEvery(Duration.*ofSeconds*(2)).ignoring(NoSuchElementException.class);**

**WebElement element =wait.until(new Function<WebDriver, WebElement>()**

**{**

**@Override**

**public WebElement apply(WebDriver t)**

**{**

**WebElement webelement= wd.findElement(By.*xpath*("//p[@id=\"demo\"]"));**

**if( wd.findElement(By.*xpath*("//p[@id=\"demo\"]")).getText().equals("Software Testing Material - DEMO PAGE"))**

**{**

**// TODO Auto-generated method stub**

**return webelement;**

**}**

**else**

**{**

**// TODO Auto-generated method stub**

**return null;**

**}**

**}**

**});**

//get the actual value of the title

// String aTitle = wd.getTitle();

//compare the actual title with the expected title

// if (aTitle.equals(eTitle))

// {

// System.out.println( "Test Passed") ;

// }

//else {

//System.out.println( "Test Failed" );

// }

//close browser

wd.close();

/\*

wd.get("https://rahulshettyacademy.com/locatorspractice/");

wd.findElement(By.id("inputUsername")).sendKeys("dgahdghsGDYSHAGD");

wd.findElement(By.name("inputPassword")).sendKeys("ghkdsgahfgwshdf");

wd.findElement(By.className("signInBtn")).click();

System.out.println("The title"+wd.getTitle());

String value=null;

obj.assertNull(value);

value="Gaya";

obj.assertNotNull(value);

String title= wd.getTitle();

obj.assertEquals(title,"Rahul Shetty Academy - Login page");

boolean b =( title.equals("Rahul Shetty Academy - Login page"));

obj.assertTrue(b);

String data="Givenstring";

b =( title.equals("Rahul Shetty Academy - Login page"));

obj.assertFalse(b);

obj.assertNotEquals(title,data);

//PrintStream objimp=new PrintStream(obj);

obj.assertAll();

}

catch (java.lang.AssertionError e) {

System.out.println("The exception"+e.getMessage());

}

// System.out.println(obj.assertAll());

\*/

//System.out.println(wd.findElement(By.cssSelector("button#visitUsTwo")).getText());

}

}