**package** com.maveric.SeleniumConcept;

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

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

**public** **class** SeleniumTest {

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

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

//ChromeDriver

//if webdriver is used it will support in all browser. below is to open the browser alone

WebDriver driver= **new** ChromeDriver();

//to open the below URL

driver.get("https://connect.maveric-systems.com/index.php/site/login");

//below is to get the title of the URL once it's loaded

String title= driver.getTitle();

//to print the title

System.***out***.println(title);

// to get URL

String URL= driver.getCurrentUrl();

System.***out***.println(URL);

//to get pagesource

//.contains used to check the given string available in the page source.

String Pagesource=driver.getPageSource();

**if**(Pagesource.contains("Please fill out the following form with your login credentials"))

System.***out***.println("Test Pass");

**else**

System.***out***.println("Test Fail");

}

}

For Firefox

**package** com.maveric.SeleniumConcept;

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

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

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

**public** **class** SeleniumTest {

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

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

//ChromeDriver

//if webdriver is used it will support in all browser. below is to open the browser alone

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

//to open the below URL

driver.get("https://connect.maveric-systems.com/index.php/site/login");

//below is to get the title of the URL once it's loaded

String title= driver.getTitle();

//to print the title

System.***out***.println(title);

// to get URL

String URL= driver.getCurrentUrl();

System.***out***.println(URL);

//to get pagesource

//.contains used to check the given string available in the page source.

String Pagesource=driver.getPageSource();

**if**(Pagesource.contains("Please fill out the following form with your login credentials"))

System.***out***.println("Test Pass");

**else**

System.***out***.println("Test Fail");

}

}

Internet Explorer

**package** com.maveric.SeleniumConcept;

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

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

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

**import** org.openqa.selenium.ie.InternetExplorerDriver;

**public** **class** SeleniumTest {

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

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

//ChromeDriver

//if webdriver is used it will support in all browser. below is to open the browser alone

WebDriver driver= **new** InternetExplorerDriver();

//to open the below URL

driver.get("https://Google.co.in");

//below is to get the title of the URL once it's loaded

String title= driver.getTitle();

//to print the title

System.***out***.println(title);

// to get URL

String URL= driver.getCurrentUrl();

System.***out***.println(URL);

//to get pagesource

//.contains used to check the given string available in the page source.

String Pagesource=driver.getPageSource();

**if**(Pagesource.contains("Please fill out the following form with your login credentials"))

System.***out***.println("Test Pass");

**else**

System.***out***.println("Test Fail");

}

}

Xpath Syntax

1. xpath syntax //tagname[@attribute=' '] //input[@placeholder='Password:']
2. 2. xapth syntax //tagname[text()=' ']

Frame:

Frame, iframe

//driver.switchTo().frame(2);- used with position

//driver.switchTo().frame("msg")- used with element name

//WebElement frameEle= driver.findElement(By.*xpath*("//iframe[@name='msg']"));

driver.switchTo().frame(frameEle);

used with iframe when there is no name, id or any unique thing is there and xpath also not supporting.

**package** com.maveric.SeleniumConcept;

**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.support.ui.ExpectedCondition;

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

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

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

**public** **class** seleniumDemo {

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

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

//to open and loan the below url

WebDriver driver= **new** ChromeDriver();

driver.get("http://demo.openemr.io/d/openemr/interface/login/login.php?site=default");

//to find element from the HTML and send values

WebElement userEle= driver.findElement(By.*id*("authUser"));

userEle.sendKeys("admin");

//1. xpath syntax //tagname[@attribute=' '] //input[@placeholder='Password:']

//use xpath to find element and send values

WebElement passEle = driver.findElement(By.*xpath*("//input[@placeholder='Password:']"));

passEle.sendKeys("pass");

WebElement langEle= driver.findElement(By.*name*("languageChoice"));

//to create object to call select class, should import "import org.openqa.selenium.support.ui.Select;"

Select select=**new** Select(langEle);

select.selectByVisibleText("English (Indian)");

WebElement logButton= driver.findElement(By.*xpath*("//button[@type='submit']"));

logButton.click();

//newpage provide explicit wait

WebDriverWait wait= **new** WebDriverWait(driver,50); //50 to 120 s- pooling time is 0.5 sec or 500ms

wait.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//div[text()='About'] ")));

//2. xapth syntax //tagname[text()=' ']

//WebElement findAbout= driver.findElement(By.xpath("//div[text()='About']"));

String actualTitle=driver.getTitle();

System.***out***.println("Actual Title"+ actualTitle);

**if** (actualTitle.equals("OpenEMR"))

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

**else**

System.***out***.println("Test Fail");

WebElement msgEle= driver.findElement(By.*xpath*("//div[text()='Messages'] "));

msgEle.click();

//driver.switchTo().frame(2);

//driver.switchTo().frame("msg");

WebElement frameEle= driver.findElement(By.*xpath*("//iframe[@name='msg']"));

driver.switchTo().frame(frameEle);

WebElement newRecall= driver.findElement(By.*xpath*("//Span[text()='New Recall']"));

newRecall.click();

driver.switchTo().defaultContent();

WebElement newRecallEle= driver.findElement(By.*xpath*("//iframe[@name='recall'] "));

driver.switchTo().frame(newRecallEle);

WebElement nameEle= driver.findElement((By.*xpath*("//input[@onclick='recall\_name\_click(this)']")));

nameEle.click();

driver.switchTo().defaultContent();

//WebElement namesearchFrame= driver.findElement(By.xpath("//iframe[@id='modalframe']"));

driver.switchTo().frame("modalframe");

WebElement searchnameEle= driver.findElement(By.*xpath*("//input[@name='searchparm']"));

searchnameEle.sendKeys("Test");

WebElement searchEle= driver.findElement((By.*id*("submitbtn")));

searchEle.click();

WebElement searchResult= driver.findElement(By.*xpath*("//td[@class='srName']"));

//driver.switchTo().frame(searchResult);

searchResult.click();

}

}

Date: 5-May-2019

**package** com.maveric.SeleniumConcept;

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

**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.support.ui.ExpectedCondition;

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

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

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

**public** **class** seleniumDemo {

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

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

//to open and loan the below url

WebDriver driver= **new** ChromeDriver();

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

driver.manage().timeouts().implicitlyWait(30, TimeUnit.***SECONDS***);

driver.get("http://demo.openemr.io/d/openemr/interface/login/login.php?site=default");

//to find element from the HTML and send values

WebElement userEle= driver.findElement(By.*id*("authUser"));

userEle.sendKeys("admin");

//1. xpath syntax //tagname[@attribute=' '] //input[@placeholder='Password:']

//use xpath to find element and send values

WebElement passEle = driver.findElement(By.*xpath*("//input[@placeholder='Password:']"));

passEle.sendKeys("pass");

WebElement langEle= driver.findElement(By.*name*("languageChoice"));

//to create object to call select class, should import "import org.openqa.selenium.support.ui.Select;"

Select select=**new** Select(langEle);

select.selectByVisibleText("English (Indian)");

WebElement logButton= driver.findElement(By.*xpath*("//button[@type='submit']"));

logButton.click();

//newpage provide explicit wait

WebDriverWait wait= **new** WebDriverWait(driver,50); //50 to 120 s- pooling time is 0.5 sec or 500ms

wait.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//div[text()='About'] ")));

//2. xapth syntax //tagname[text()=' ']

//WebElement findAbout= driver.findElement(By.xpath("//div[text()='About']"));

String actualTitle=driver.getTitle();

System.***out***.println("Actual Title"+ actualTitle);

**if** (actualTitle.equals("OpenEMR"))

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

**else**

System.***out***.println("Test Fail");

WebElement msgEle= driver.findElement(By.*xpath*("//div[text()='Messages'] "));

msgEle.click();

//driver.switchTo().frame(2);

//driver.switchTo().frame("msg");

WebElement frameEle= driver.findElement(By.*xpath*("//iframe[@name='msg']"));

driver.switchTo().frame(frameEle);

WebElement newRecall= driver.findElement(By.*xpath*("//Span[text()='New Recall']"));

newRecall.click();

driver.switchTo().defaultContent();

WebElement newRecallEle= driver.findElement(By.*xpath*("//iframe[@name='recall']"));

driver.switchTo().frame(newRecallEle);

WebElement nameEle= driver.findElement((By.*xpath*("//input[@onclick='recall\_name\_click(this)']")));

nameEle.click();

driver.switchTo().defaultContent();

//WebElement namesearchFrame= driver.findElement(By.xpath("//iframe[@id='modalframe']"));

driver.switchTo().frame("modalframe");

WebElement searchnameEle= driver.findElement(By.*xpath*("//input[@name='searchparm']"));

searchnameEle.sendKeys("Karthikeyan");

WebElement searchEle= driver.findElement((By.*id*("submitbtn")));

searchEle.click();

// WebElement searchResult= driver.findElement(By.xpath("//td[@class='srName']"));

WebElement searchResult= driver.findElement(By.*xpath*("//table[@class='table table-condensed']/tbody/tr[1]/td[1]"));

//driver.switchTo().frame(searchResult);

searchResult.click();

driver.switchTo().defaultContent();

newRecallEle= driver.findElement(By.*xpath*("//iframe[@name='recall']"));

driver.switchTo().frame(newRecallEle);

Thread.*sleep*(2000);

//input[@id='new\_recall\_when\_2yr']

WebElement addressl1= driver.findElement(By.*xpath*("//input[@id='new\_address']"));

addressl1.sendKeys("3/2, main road");

WebElement city= driver.findElement(By.*xpath*("//input[@id='new\_city']"));

city.sendKeys("chennai");

WebElement state= driver.findElement(By.*xpath*("//input[@id='new\_state']"));

state.sendKeys("TN");

WebElement homePhone= driver.findElement(By.*xpath*("//input[@id='new\_phone\_home']"));

homePhone.sendKeys("987654357");

WebElement mobilePhone= driver.findElement(By.*xpath*("//input[@id='new\_phone\_cell']"));

mobilePhone.sendKeys("9876543575");

//wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[@id='new\_recall\_when\_2yr']")));

WebElement recallWhen= driver.findElement(By.*xpath*("//input[@id='new\_recall\_when\_2yr']"));

recallWhen.click();

WebElement smsClick= driver.findElement(By.*xpath*("//input[@id='new\_allowsms\_no']"));

smsClick.click();

WebElement recallReason= driver.findElement(By.*xpath*("//input[@id='new\_reason']"));

recallReason.sendKeys("Chumma");

WebElement perEmail= driver.findElement(By.*xpath*("//input[@id='new\_email']"));

perEmail.sendKeys("Chumma@sc.com");

WebElement addRecall= driver.findElement(By.*xpath*("//input[@onclick='add\_this\_recall();']"));

addRecall.click();

Thread.*sleep*(2000);

WebElement patName= driver.findElement(By.*xpath*("//input[@id='form\_patient\_name']"));

patName.sendKeys("Karthikeyan");

WebElement selectProvider= driver.findElement(By.*id*("form\_provider"));

Select selectProv =**new** Select(selectProvider);

selectProv.selectByVisibleText("Lee, Donna");

WebElement fromDate= driver.findElement(By.*xpath*("//input[@id='form\_from\_date']"));

fromDate.clear();

fromDate.sendKeys("2019-05-05");

WebElement toDate= driver.findElement(By.*xpath*("//input[@id='form\_to\_date']"));

toDate.clear();

toDate.sendKeys("2021-05-04");

toDate.click();

WebElement filterclick= driver.findElement(By.*xpath*("//input[@id='filter\_submit']"));

filterclick.click();

//Pick from search result

WebElement pId= driver.findElement(By.*xpath*("(//span[@title='Patient ID'])[1]/.."));

String pidText=pId.getText();

System.***out***.println(pidText);

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Patient creation

**package** com.maveric.SeleniumConcept;

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

**import** org.openqa.selenium.Alert;

**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.interactions.Actions;

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

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

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

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

**public** **class** addPatient {

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

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

WebDriver driver= **new** ChromeDriver();

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

driver.manage().timeouts().implicitlyWait(30, TimeUnit.***SECONDS***);

driver.get("http://demo.openemr.io/d/openemr/interface/login/login.php?site=default");

WebElement userEle= driver.findElement(By.*id*("authUser"));

userEle.sendKeys("admin");

WebElement passEle = driver.findElement(By.*xpath*("//input[@placeholder='Password:']"));

passEle.sendKeys("pass");

WebElement langEle= driver.findElement(By.*name*("languageChoice"));

Select select=**new** Select(langEle);

select.selectByVisibleText("English (Indian)");

WebElement logButton= driver.findElement(By.*xpath*("//button[@type='submit']"));

logButton.click();

WebDriverWait wait= **new** WebDriverWait(driver,50);

wait.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//div[text()='About'] ")));

WebElement patClientEle= driver.findElement(By.*xpath*("//div[text()='Patient/Client']"));

WebElement newsearchEle= driver.findElement(By.*xpath*("//div[text()='New/Search']"));

Actions action=**new** Actions(driver);

action.moveToElement(patClientEle).moveToElement(newsearchEle).click().build().perform();

WebElement CreatEle=driver.findElement(By.*xpath*("//iframe[@name='pat']"));

driver.switchTo().frame(CreatEle);

WebElement titleEle= driver.findElement(By.*xpath*("//select[@id='form\_title']"));

select=**new** Select(titleEle);

select.selectByVisibleText("Mr.");

WebElement firstName=driver.findElement(By.*xpath*("//input[@title='First Name']"));

firstName.sendKeys("Baasha");

WebElement midName=driver.findElement(By.*xpath*("//input[@title='Middle Name']"));

midName.sendKeys("manick");

WebElement lastName=driver.findElement(By.*xpath*("//input[@title='Last Name']"));

lastName.sendKeys("Rajini");

WebElement dobEle=driver.findElement(By.*xpath*("//input[@title='Date of Birth']"));

dobEle.sendKeys("2019-05-05");

dobEle.click();

WebElement sexEle=driver.findElement(By.*xpath*("//select[@title='Sex']"));

select= **new** Select(sexEle);

select.selectByVisibleText("Male");

WebElement marystatEle=driver.findElement(By.*xpath*("//select[@title='Marital Status']"));

select= **new** Select(marystatEle);

select.selectByVisibleText("Married");

WebElement createEle=driver.findElement(By.*xpath*("//button[@value='Create New Patient']"));

createEle.click();

driver.switchTo().defaultContent();

driver.switchTo().frame("modalframe");

WebElement confirmcreateEle=driver.findElement(By.*xpath*("//input[@value='Confirm Create New Patient']"));

confirmcreateEle.click();

//Thread.sleep(10000);

wait.until(ExpectedConditions.*alertIsPresent*());

Alert alertBox= driver.switchTo().alert();

String alertText=alertBox.getText();

System.***out***.println(alertText);

alertBox.accept();

WebElement hbdClose=driver.findElement(By.*xpath*("//div[@class='closeDlgIframe']"));

hbdClose.click();

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Implicit works only for find element and find elementmethod

Implicit- Default “0” sec, and only once in a program we should give implicit wait

Xpath having same set of fields then we can select by number eg: 1st or 2nd

(//xpath(@attribute= ‘value’))[2]- it will consider only the 2nd xpath

//table[@class='table table-condensed']/tbody/tr[1]/td[1]

(//span[@title='Patient ID'])[1]/..")- moves to current parent

(//span[@title='Patient ID'])[1]/parent..div")moves to parent

Mouseover action will not give any exception. – drawback

Switchto🡪 will be used during frame, alert

Close: closes the current tab or current session or where the driver is pointed

Quit: closes all the tab or window

List- can contains duplicate webelements

Set- cannot have duplicate[like session id which will be unique]

keyDown- used for using modify key(Shift, Ctrl]

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**package** com.maveric.SeleniumConcept;

**import** java.util.Set;

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

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

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

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

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

**public** **class** multipleTabclosemethod {

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

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

WebDriver driver= **new** ChromeDriver();

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

driver.manage().timeouts().implicitlyWait(30, TimeUnit.***SECONDS***);

driver.get("https://www.online.citibank.co.in/");

WebElement userEle= driver.findElement(By.*linkText*("APPLY FOR CREDIT CARDS"));

userEle.click();

Thread.*sleep*(5000);

String title=driver.getTitle();

System.***out***.println(title);

String session= driver.getWindowHandle();

System.***out***.println(session);

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*");

Set<String> windows=driver.getWindowHandles();

**for**(String wind:windows) {

System.***out***.println(wind);

driver.switchTo().window(wind);

title =driver.getTitle();

System.***out***.println(title);

//if(title.equals(anObject))

}

WebElement travel= driver.findElement(By.*linkText*("Travel"));

travel.click();

driver.switchTo().window(session);

driver.quit();

//driver.close();

}

}