**AUTOMATE A WEB APPLICATION**

**Shine Registration**

**package** com.simplilearn;

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

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

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

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

**public** **class** ShineLogin {

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

System.*setProperty*("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

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

driver.get("https://www.shine.com/registration/");

WebElement name=driver.findElement(By.*id*("id\_name"));

name.sendKeys("rahulhd22@gmail.com");

WebElement email=driver.findElement(By.*id*("id\_email"));

email.sendKeys("rahulhd22@gmail.com");

WebElement phone=driver.findElement(By.*id*("id\_cell\_phone"));

phone.sendKeys("9521865988");

WebElement pass=driver.findElement(By.*id*("id\_password"));

pass.sendKeys("18165119suc");

WebElement submit=driver.findElement(By.*id*("id\_registerButton"));

submit.click();

}

}

**AlertDemo**

**package** com.simplilearn;

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

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

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

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

**public** **class** AlertDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

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

driver.get("https://www.nxtgenaiacademy.com/alertandpopup/");

/\*WebElement name=driver.findElement(By.name("confirmalertbox"));

name.click();

System.out.println("Message: "+driver.switchTo().alert().getText());

driver.switchTo().alert().getText();

name.click();

driver.switchTo().alert().getText();\*/

WebElement prompt= driver.findElement(By.*name*("promptalertbox1234"));

prompt.click();

driver.switchTo().alert().sendKeys("Yes");

System.***out***.println("Message: "+driver.switchTo().alert().getText());

driver.switchTo().alert().accept();

}

}

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

System.setProperty("webdriver.chrome.driver", "D:\\Sonam Data\\Java-Phase5-11thApril\\chromedriver.exe");

WebDriver driver= new ChromeDriver();

//driver.get("https://www.facebook.com/");

driver.get("https://nxtgenaiacademy.com/alertandpopup/");

// WebElement name = driver.findElement(By.name("alertbox"));

// name.click();

//

// System.out.println("Message: "+driver.switchTo().alert().getText());

// driver.switchTo().alert().accept();

// WebElement name = driver.findElement(By.name("confirmalertbox"));

// name.click();

//

// System.out.println("Message: "+driver.switchTo().alert().getText());

// driver.switchTo().alert().accept();

// name.click();

// driver.switchTo().alert().dismiss();

/\* WebElement prompt= driver.findElement(By.name("promptalertbox1234"));

prompt.click();

from Sonam (Trainer) to All Participants:

driver.switchTo().alert().sendKeys("Yes");

System.out.println("Message: "+driver.switchTo().alert().getText());

driver.switchTo().alert().accept();

}\*/

**TimeOutDemo**

package com.simplilearn.test;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class TimeoutDemo {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver= new ChromeDriver();

driver.get("https://www.facebook.com/");

driver.manage().timeouts().implicitlyWait(5,TimeUnit.SECONDS);

driver.manage().timeouts().setScriptTimeout(10,TimeUnit.SECONDS);

driver.manage().timeouts().pageLoadTimeout(5,TimeUnit.SECONDS);

driver.close();

}

}

**Test1**

package com.simplilearn.test;

import java.math.BigDecimal;

import java.util.Calendar;

import java.util.NoSuchElementException;

import java.util.concurrent.TimeUnit;

import java.util.function.Function;

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.FluentWait;

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

public class Test1 {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver= new ChromeDriver();

driver.get("http://the-internet.herokuapp.com/dynamic\_loading/1");

WebElement start= driver.findElement(By.xpath("//\*[@id=\"start\"]/button"));

start.click();

Wait<WebDriver> wait= new FluentWait<WebDriver>(driver)

.withTimeout(30,TimeUnit.SECONDS)

.pollingEvery(5, TimeUnit.SECONDS)

.ignoring(NoSuchElementException.class);

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

@Override

public WebElement apply(WebDriver t) {

WebElement finish= driver.findElement(By.xpath("//\*[@id=\"finish\"]/h4"));

if(finish.getText().equals("Hello World!")) {

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

return finish;

}

else {

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

return null;

}

}

});

}

}

**LinkTextDemo**

package com.simplilearn.test;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class LinkTextDemo {

public static void main(String[] args) {

//step 1: set driver property

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

//Step 2: create Instance of Chrome Driver

WebDriver driver= new ChromeDriver();

//Step 3: load the base URL which you want to test

driver.get("https://www.facebook.com/");

WebElement link= driver.findElement(By.linkText("Forgotten password?"));

link.click();

//driver.close();

}

}

**GoogleTest**

package com.simplilearn.test;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class GoogleTest {

public static void main(String[] args) {

//step 1: set driver property

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

//Step 2: create Instance of Chrome Driver

WebDriver driver= new ChromeDriver();

//Step 3: load the base URL which you want to test

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

//System.out.println("Google Title: "+ driver.getTitle());

String expected="Google";

String actual=driver.getTitle();

if(expected.equals(actual))

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

else

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

driver.close();

}

}

**Facebook Test2**

package com.simplilearn.test;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class FacebookTest2 {

public static void main(String[] args) {

//step 1: set driver property

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

//Step 2: create Instance of Chrome Driver

WebDriver driver= new ChromeDriver();

//Step 3: load the base URL which you want to test

driver.get("https://www.facebook.com/");

WebElement email= driver.findElement(By.id("email"));

System.out.println(email.getAttribute("placeholder"));

WebElement heading= driver.findElement(By.className("\_8eso"));

System.out.println(heading.getText());

driver.close();

}

}

**Facebook Test**

package com.simplilearn.test;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class FacebookTest {

public static void main(String[] args) {

//step 1: set driver property

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

//Step 2: create Instance of Chrome Driver

WebDriver driver= new ChromeDriver();

//Step 3: load the base URL which you want to test

driver.get("https://www.facebook.com/");

//System.out.println("Google Title: "+ driver.getTitle());

String expected="Facebook � log in or sign up";

String actual=driver.getTitle();

if(expected.equals(actual))

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

else

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

driver.close();

}

}

**Facebook Register**

package com.simplilearn.test;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class FacebookRegister {

public static void main(String[] args) {

//step 1: set driver property

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

//Step 2: create Instance of Chrome Driver

WebDriver driver= new ChromeDriver();

//Step 3: load the base URL which you want to test

driver.get("https://www.facebook.com/register/");

List<WebElement> list =driver.findElements(By.tagName("input"));

for(WebElement element:list){

System.out.println(element.getAttribute("name"));

}

driver.close();

}

}

**Facebook Login**

package com.simplilearn.test;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class TimeoutDemo {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver= new ChromeDriver();

driver.get("https://www.facebook.com/");

driver.manage().timeouts().implicitlyWait(5,TimeUnit.SECONDS);

driver.manage().timeouts().setScriptTimeout(10,TimeUnit.SECONDS);

driver.manage().timeouts().pageLoadTimeout(5,TimeUnit.SECONDS);

driver.close();

}

}

**XPath and CSS Selector**

**package** com.simplilearn;

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

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

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

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

**public** **class** XPathCSS {

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

System.*setProperty*("webdriver.chrome.driver", "E:\\Downloads\\chromedriver\_win32\\chromedriver.exe");

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

driver.get("https://www.facebook.com/login/");

WebElement email=driver.findElement(By.*cssSelector*("#email"));

email.sendKeys("rahul.rkumar39@gmail.com");

WebElement password=driver.findElement(By.*cssSelector*("#pass"));

password.sendKeys("xuagciac");

WebElement login=driver.findElement(By.*cssSelector*("#loginbutton"));

login.submit();