Selenium Web components

1. Write a selenium script to automate the following.

1. write a program to launch the chrome driver, ,maximize the driver and navigate to the jqueryui /datepicker/ url

2. Switch to the iframe that contains the datepicker

3. Write the code to select the next month from the datepicker

4. write the code to select date”22” from the datepicker.

5. close the browser window and quit the webdriver instances

6. print the output in the console.

**Program:**

package datapicker;

import java.util.List;

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 io.github.bonigarcia.wdm.WebDriverManager;

public class Datapicker {

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

WebDriver driver=new ChromeDriver();

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

driver.get("https://jqueryui.com/datepicker/"); //navigate to the given url

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

driver.manage().deleteAllCookies(); //delete cookies

WebElement iframeelement=driver.findElement(By.className("demo-frame"));

driver.switchTo().frame(iframeelement);

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

datepicker.click();

WebElement monthicon=driver.findElement(By.xpath("//\*[@id=\"ui-datepicker-div\"]/div/a[2]/span"));

monthicon.click();

WebElement monthname=driver.findElement(By.xpath("//span[text()='January']"));

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

//grab the common attribute=class name (used css here)/put it in list/ iterate

List<WebElement> dates=driver.findElements(By.cssSelector(".ui-state-default"));

int count=driver.findElements(By.cssSelector(".ui-state-default")).size();

for(int i=0;i<count;i++)

String text=driver.findElements(By.cssSelector(".ui-state-default")).get(i).getText();

if(text.equals("22"))

{

System.out.println(text);

driver.findElements(By.cssSelector(".ui-state-default")).get(i).click();

break;

}

}

driver.close();

}

}

Console output:

January

22

2. To automate the signup/login process for guvi.

1. Launch the website using selenium webdriver.

2. locate the signup button on top right corner of the page and click on it

3. Fill in the sign up form with required details like password, name, email etc.

4. click on the “signup” button to submit the form

5. Wait for the page to load and verify that the user is registered successfully.

6. locate the login button on top right corner of the page and click on it

7. Fill in the login form with required details used during registration.

8. click on the “login” button to login.

9. Wait for the page to load and verify that the user is logged in successfully.

10. Close the browser.

Program:

**package** test;

**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** Guviregistration {

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

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

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

driver.manage().timeouts().~~implicitlyWait~~(10, TimeUnit.***SECONDS***);

driver.get("https://www.guvi.in/"); //navigate to the given url

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

driver.manage().deleteAllCookies(); //delete cookies

WebElement signupbutton=driver.findElement(By.*xpath*("//\*[@id=\"accountGroup\"]/ul/li[2]/a"));

signupbutton.click();

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

name.click();

name.sendKeys("Krishnapriya");

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

email.click();

email.sendKeys("krishnapriya9396@gmail.com");

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

password.click();

password.sendKeys("Pass@123");

WebElement mobilenumber=driver.findElement(By.*id*("mobileNumber"));

mobilenumber.click();

mobilenumber.sendKeys("1234567890");

WebElement signupbutton1=driver.findElement(By.*id*("signup-btn"));

signupbutton1.click();

String title=driver.getTitle();

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

**if**(title.equalsIgnoreCase("GUVI | Sign Up"))

{

System.***out***.println("Successfully Registered");

}**else**

{

System.***out***.println("Registeration not successful");

}

driver.navigate().back();

WebElement login=driver.findElement(By.*xpath*("//\*[@id=\"accountGroup\"]/ul/li[1]/a"));

login.click();

WebElement email1=driver.findElement(By.*id*("email"));

email1.click();

email1.sendKeys("krishnapriya9396@gmail.com");

WebElement password1=driver.findElement(By.*id*("password"));

password1.click();

password1.sendKeys("Pass@123");

WebElement loginbutton1=driver.findElement(By.*id*("login-btn"));

loginbutton1.click();

String title1=driver.getTitle();

System.***out***.println(title1);

**if**(title.equalsIgnoreCase("GUVI | Login"))

{

System.***out***.println("Successfully Loggedin");

}**else**

{

System.***out***.println("Login Failed");

}

driver.close();

}

}

Console:

GUVI | Sign Up

Successfully Registered

GUVI | Login

Login Failed