# Task 1

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Click on login button (No need to enter login details)

Verify required fields present for username and password

Verify that username and password have border of 1px.

Note- use getCssProperty to fetch css details

ANS:

package base;

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.testng.Assert;

import dev.failsafe.internal.util.Assert;

public class Assignment7 {

static WebDriver driver;

@SuppressWarnings("deprecation")

public static void main(String[] args) {

// TODO Auto-generated method stub

//Launching the browser

driver=new ChromeDriver();

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

//Pass the URL

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

//Click on the Login Button

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

//USername Required field

boolean USerName=driver.findElement(By.xpath("//label[contains(text(),'Username')]/parent::div/following-sibling::span[text()='Required']")).isDisplayed();

if (USerName==true)

{

System.out.println("The Required Validation Message is displayed");

}

else

{

System.out.println("The Required Validation Message is Not displayed");

}

//Password Required field

boolean PAssword=driver.findElement(By.xpath("//label[contains(text(),'Password')]/parent::div/following-sibling::span[text()='Required']")).isDisplayed();

if (PAssword==true)

{

System.out.println("The Required Validation Message is displayed");

}

else

{

System.out.println("The Required Validation Message is Not displayed");

}

String border= driver.findElement(By.name("username")).getCssValue("border");

//Verifying the USername Border

Assert.assertEquals(border, "1px","Verified Successfully");

String Passborder= driver.findElement(By.name("password")).getCssValue("border");

//Verifying the USername Border

Assert.assertEquals(Passborder, "1px","Verified Successfully");

driver.close();

}

}

# Task 2

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Enter username as admin and click on the login button

Verify password field is showing the required message.

ANS:

package base;

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.testng.Assert;

public class Assignment7 {

static WebDriver driver;

@SuppressWarnings("deprecation")

public static void main(String[] args) {

// TODO Auto-generated method stub

//Launching the browser

driver=new ChromeDriver();

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

//Pass the URL

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

//USername Required field

driver.findElement(By.name("username")).sendKeys("admin");

//Click on the Login Button

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

//Password Required field

boolean PAssword=driver.findElement(By.xpath("//label[contains(text(),'Password')]/parent::div/following-sibling::span[text()='Required']")).isDisplayed();

if (PAssword==true)

{

System.out.println("The PAssword field Required Validation Message is displayed");

}

else

{

System.out.println("The Required Validation Message is Not displayed");

}

//driver.close();

}

}

# Task 3

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Enter username as admin and password as mukesh and click on the login button

Capture error message and verify message contains Invalid credentials

Ans:

package base;

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.testng.Assert;

public class Assignment7 {

static WebDriver driver;

public static void main(String[] args) {

// TODO Auto-generated method stub

//Launching the browser

driver=new ChromeDriver();

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

//Pass the URL

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

//USername field

driver.findElement(By.name("username")).sendKeys("admin");

//PAssword field

driver.findElement(By.name("password")).sendKeys("mukesh");

//Click on the Login Button

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

//Invalid Credential

String InvalidCred=driver.findElement(By.xpath("//div[@class='oxd-alert oxd-alert--error']/descendant::div/child::i/following-sibling::p")).getText();

System.out.println(InvalidCred);

try {

Thread.sleep(2000);

} catch (InterruptedException e) {

e.printStackTrace();

}

//Validating the actual and expected error message

Assert.assertEquals(InvalidCred, "Invalid credentials","Error Message Verifyied");

//or - Another approach

if (InvalidCred.contains("Invalid credentials"))

{

System.out.println("The Invalid credentials Error message is Displayed");

}

else

{

System.out.println("The Invalid credentials Error message is Not Displayed");

}

driver.close();

}

}

# Task 4

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Enter username as admin and password as admin123 and click on the login button

Capture the url and verify url contains dashboard

Click on image > Click on Logout

ANS:

package base;

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.testng.Assert;

public class Assignment7 {

static WebDriver driver;

public static void main(String[] args) {

// TODO Auto-generated method stub

//Launching the browser

driver=new ChromeDriver();

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

//Pass the URL

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

//USername field

driver.findElement(By.name("username")).sendKeys("admin");

//PAssword field

driver.findElement(By.name("password")).sendKeys("admin123");

//Click on the Login Button

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

String Url=driver.getCurrentUrl();

if (Url.contains("dashboard")==true)

{

System.out.println("The URL contains the Dashboard term");

}else

{

System.out.println("The URL Not contains the Dashboard term");

}

//Image Click

driver.findElement(By.xpath("//span[@class='oxd-userdropdown-tab']/descendant::img")).click();

//Logout Button

driver.findElement(By.xpath("//span[@class='oxd-userdropdown-tab']/descendant::img/parent::span/following-sibling::ul/child::li[4]")).click();

}

}

Task 5-

Run all the above tests in Chrome, Firefox, Edge Browser

ANS:

I am using the Company laptop for assignment work, and I am not authorized to download the firefox and edge browsers on this laptop, I need to take permission from my IT dept, I hope the Ineuron evaluation team understands the situation and does not cut my marks for this, its just one line of code for the browser.

ANS:

1-

//Chrome Browser

driver=new ChromeDriver();

2-

//Firefox Browser

driver=new FirefoxDriver();

3-

//Edge Browser

driver=new EdgeDriver();