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

Application

Description automatically generated with low confidence

**Answer**:

package Assignment7;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Script1 {

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

{

WebDriver driver=new ChromeDriver();

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(15));

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

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

WebElement warning1=driver.findElement(By.xpath("(//span[text()='Required'])[1]"));

String text1=warning1.getText();

System.out.println("Required field is present for username:"+text1);

WebElement warning2=driver.findElement(By.xpath("(//span[text()='Required'])[2]"));

String text2=warning1.getText();

System.out.println("Required field is present for password:"+text2);

WebElement UN=driver.findElement(By.xpath("//input[@name='username']"));

String px1=UN.getCssValue("border");

System.out.println("Border for UN:"+px1);

WebElement Pwd=driver.findElement(By.xpath("//input[@name='password']"));

String px2=UN.getCssValue("border");

System.out.println("Border for Pwd:"+px2);

}

}

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.

Graphical user interface, application

Description automatically generated

Answer :

**package** Assignment7;

**import** java.time.Duration;

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

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

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

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

**public** **class** Scrip2 {

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

{

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

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(15));

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

driver.findElement(By.*xpath*("//input[@name='username']")).sendKeys("Admin");

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

Thread.*sleep*(5000);

WebElement warning2=driver.findElement(By.*xpath*("//span[text()='Required']"));

String text2=warning2.getText();

System.***out***.println("Required field is present for password:"+text2);

}

}

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

Graphical user interface, text, application

Description automatically generated

**Answer** :

**package** Assignment7;

**import** java.time.Duration;

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

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

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

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

**public** **class** Script3 {

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

{

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

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(15));

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

driver.findElement(By.*xpath*("//input[@name='username']")).sendKeys("Admin");

driver.findElement(By.*xpath*("//input[@name='password']")).sendKeys("Mukesh");

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(15));

WebElement error=driver.findElement(By.*xpath*("//p[text()='Invalid credentials']"));

String text=error.getText();

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

}

}

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

Graphical user interface, text, application, chat or text message

Description automatically generated

Verify after logout the user is able to navigate to the login page.

**Answer**:

**package** Assignment7;

**import** java.time.Duration;

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

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

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

**public** **class** Script4 {

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

{

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

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(15));

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

driver.findElement(By.*xpath*("//input[@name='username']")).sendKeys("Admin");

driver.findElement(By.*xpath*("//input[@name='password']")).sendKeys("admin123");

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(15));

String url=driver.getCurrentUrl();

**if**(url.contains("dashboard"))

{

System.***out***.println("URL contains Dashboard");

}

driver.findElement(By.*xpath*("(//img[@alt='profile picture'])[1]")).click();

driver.findElement(By.*xpath*("//a[contains(.,'Logout')]")).click();

String url1=driver.getCurrentUrl();

**if**(url1.contains("login"))

{

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

}

}

}

Task 5-

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