# Task 1

Open below application

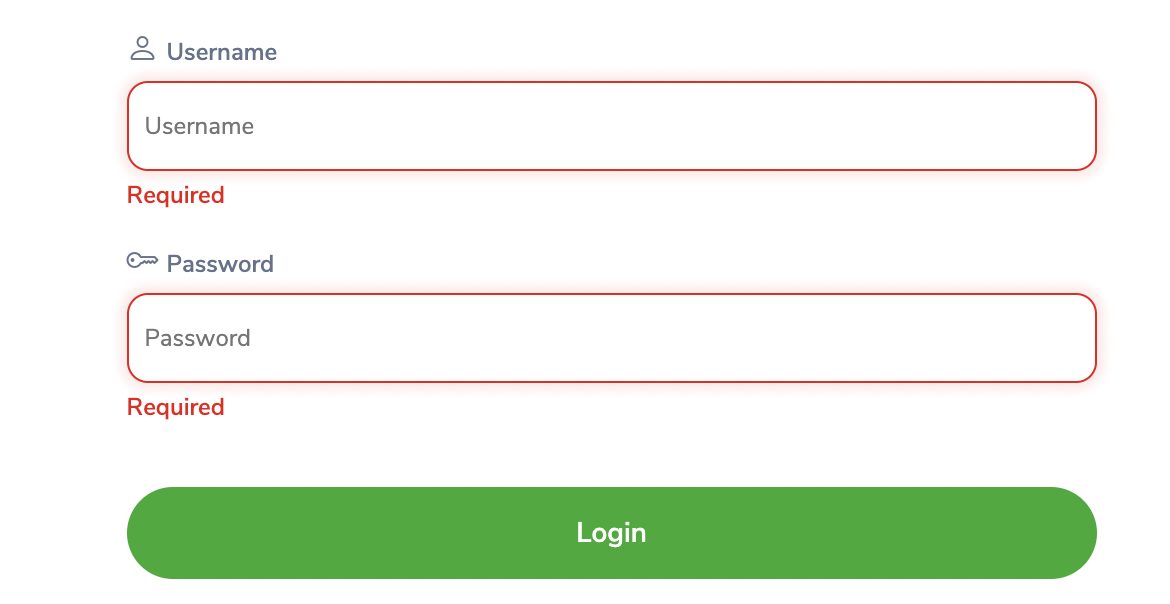
<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

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 SeleniumWebdriver;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

public class Xpath {

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

ChromeOptions co = new ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

WebDriver driver=new ChromeDriver(co);

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

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

System.out.println(driver.findElement(By.xpath("//input[@name='username']")).getCssValue("border-width"));

System.out.println(driver.findElement(By.xpath("//input[@name='password']")).getCssValue("border-width"));

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

String username1 = driver.findElement(By.xpath("//div[@class='orangehrm-login-slot-wrapper']//div[1]//div[1]//span[1]")).getText();

String password1 = driver.findElement(By.xpath("//div[@class='orangehrm-login-form']//div[2]//div[1]//span[1]")).getText();

System.out.println(username1);

System.out.println(password1);

}

}

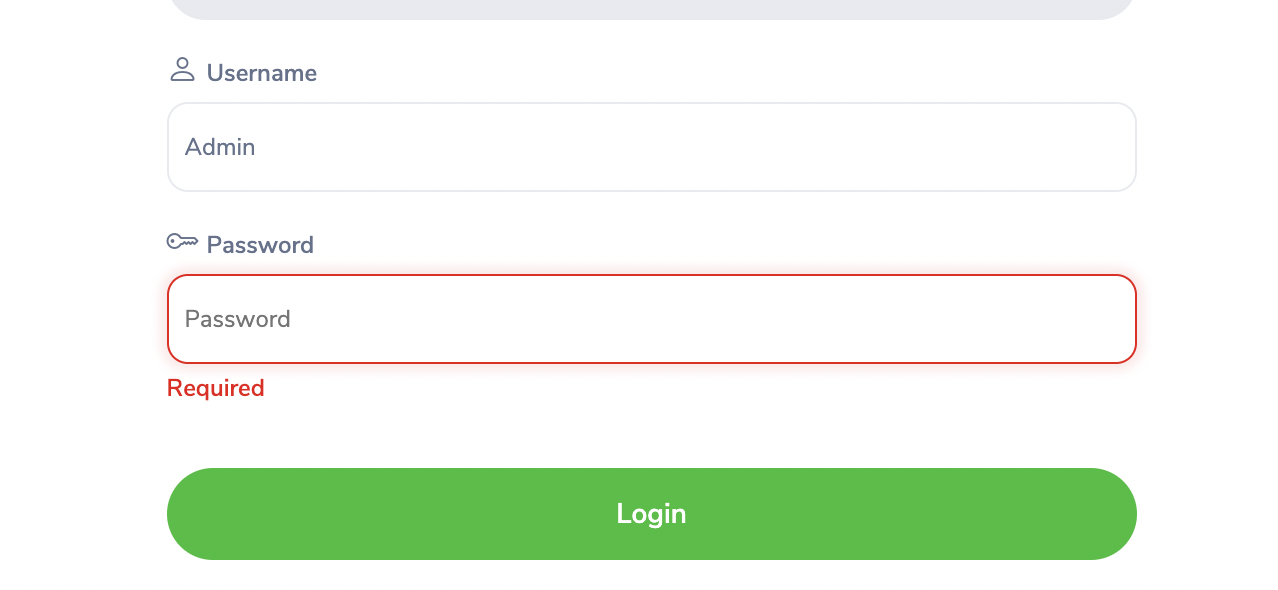
# Task 2

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 SeleniumWebdriver;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

public class Xpath {

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

ChromeOptions co = new ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

WebDriver driver=new ChromeDriver(co);

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

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

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

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

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

//String username1 = driver.findElement(By.xpath("//div[@class='orangehrm-login-slot-wrapper']//div[1]//div[1]//span[1]")).getText();

String password1 = driver.findElement(By.xpath("//div[@class='orangehrm-login-form']//div[2]//div[1]//span[1]")).getText();

//System.out.println(username1);

System.out.println(password1);

}

}

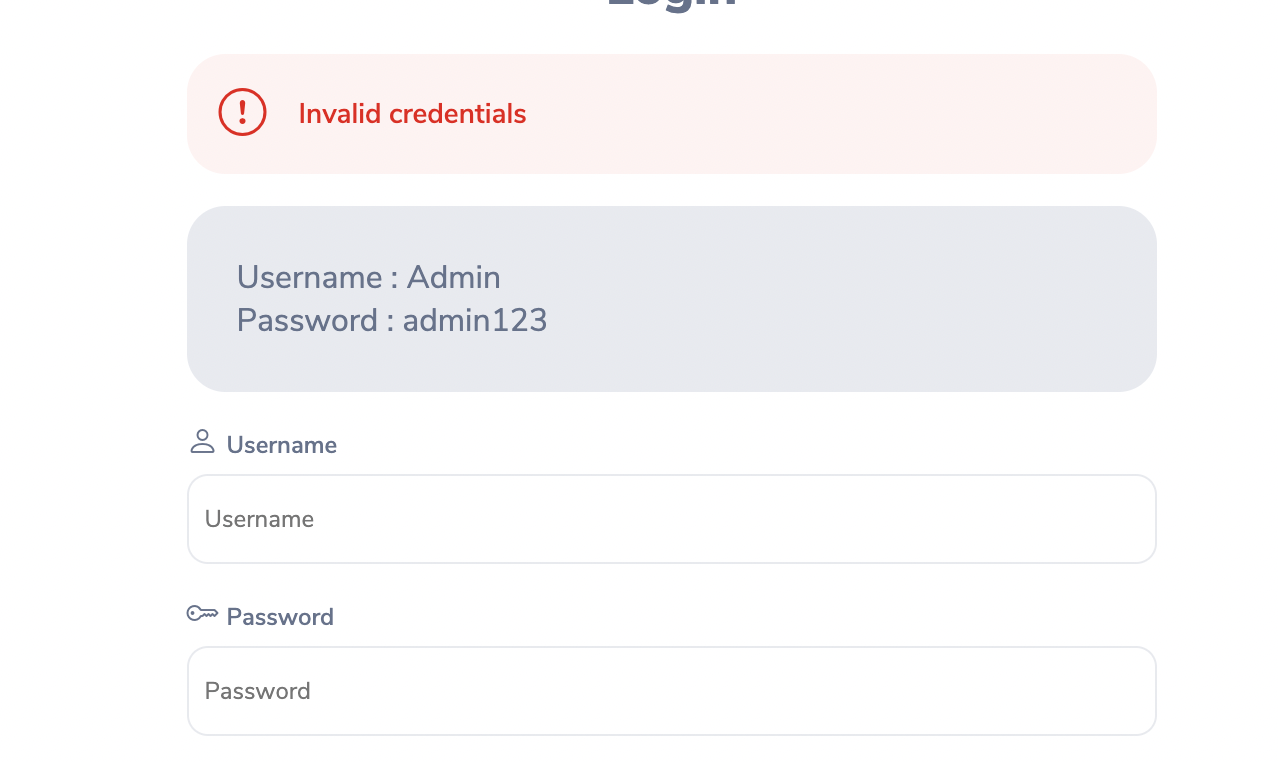
# Task 3

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 SeleniumWebdriver;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

public class Xpath {

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

ChromeOptions co = new ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

WebDriver driver=new ChromeDriver(co);

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

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

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();

String errormsg = driver.findElement(By.xpath("//p[@class='oxd-text oxd-text--p oxd-alert-content-text']")).getText();

if(errormsg.contains("Invalid credentials")) {

System.out.println(errormsg);

}

}

}

# Task 4

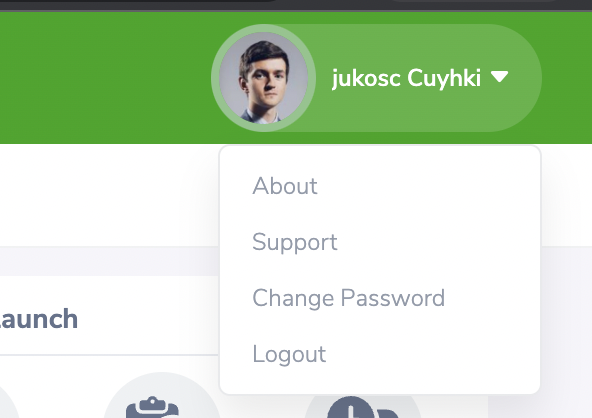
Open below application

<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



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

Ans: package SeleniumWebdriver;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

public class Xpath {

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

ChromeOptions co = new ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

WebDriver driver=new ChromeDriver(co);

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

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

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();

String currentUrl = driver.getCurrentUrl();

if(currentUrl.contains("dashboard")) {

System.out.println(currentUrl);

}

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

driver.findElement(By.xpath("//a[@class='oxd-userdropdown-link' and text()='Logout']")).click();

System.out.println(driver.getTitle());

}

}

# Task 5-

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

Ans: ***Edge Browser***

package SeleniumWebdriver;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

public class Xpath {

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

ChromeOptions co = new ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

WebDriver driver=new ChromeDriver(co);

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

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

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();

String currentUrl = driver.getCurrentUrl();

if(currentUrl.contains("dashboard")) {

System.out.println(currentUrl);

}

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

driver.findElement(By.xpath("//a[@class='oxd-userdropdown-link' and text()='Logout']")).click();

System.out.println(driver.getTitle());

}

}

***FireFox Browser***

package SeleniumWebdriver;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.openqa.selenium.edge.EdgeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class crossbrowser {

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

WebDriver driver=new FirefoxDriver();

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

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

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();

String currentUrl = driver.getCurrentUrl();

if(currentUrl.contains("dashboard")) {

System.out.println(currentUrl);

}

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

driver.findElement(By.xpath("//a[@class='oxd-userdropdown-link' and text()='Logout']")).click();

System.out.println(driver.getTitle());

}

}