# 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

Solution:

**public** **class** VerifyLoginRequiredField {

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

// Create a new instance of the Chrome driver

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

// Navigate to the website

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

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

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

// click on Login button

driver.findElement(By.*xpath*("//button[normalize-space()='Login']")).click();

String ActualUserRequired = driver.findElement(By.*xpath*(" //input[@placeholder='Username']//following::span[1]")).getText();

String ActualPwdRequired = driver.findElement(By.*xpath*(" //input[@placeholder='Password']//following::span[1]")).getText();

// Verify that the 'Required' text is present below username

**if** (ActualUserRequired.contains("Required")) {

System.***out***.println("The Required text is present on blank input on Username field");

} **else** {

System.***out***.println("The Required text is not present");

}

// Verify that the 'Required' text is present below password

**if** (ActualPwdRequired.contains("Required")) {

System.***out***.println("The Required text is present on blank input on Password field");

} **else** {

System.***out***.println("The Required text is not present");

}

// Close the browser

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.

Solution:

**public** **class** VerifyPasswordRequiredField {

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

// Create a new instance of the Chrome driver

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

// Navigate to the website

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

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

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

// Enter username

driver.findElement(By.*xpath*("//input[contains(@placeholder,'Username')]")).sendKeys("admin");

// click on Login button

driver.findElement(By.*xpath*("//button[normalize-space()='Login']")).click();

String ActualPwdRequired = driver.findElement(By.*xpath*(" //input[@placeholder='Password']//following::span[1]")).getText();

// Verify that the 'Required' text is present below password

**if** (ActualPwdRequired.contains("Required")) {

System.***out***.println("The Required text is present on blank input on Password field");

} **else** {

System.***out***.println("The Required text is not present");

}

}

}

# 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

Solution:

**public** **class** HRMInvalidLogin {

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

// Create a new instance of the Chrome driver

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

// Navigate to the website

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

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

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

// Enter username

driver.findElement(By.*xpath*("//input[contains(@placeholder,'Username')]")).sendKeys("admin");

// Enter password

driver.findElement(By.*xpath*("//input[contains(@placeholder,'Password')]")).sendKeys("mukesh");

// click on Login button

driver.findElement(By.*xpath*("//button[normalize-space()='Login']")).click();

//

String Alertmsg = driver.findElement(By.*xpath*("//div[@role='alert']")).getText();

// Verify that the alert contains 'Invalid credentials'

**if** (Alertmsg.contains("Invalid credentials")) {

System.***out***.println("alert contains 'Invalid credentials'");

} **else** {

System.***out***.println("alert does not contains 'Invalid credentials'");

}

}

}

# 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

Solution:

**public** **class** HRMClickImage {

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

// Create a new instance of the Chrome driver

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

// Navigate to the website

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

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

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

// Enter username

driver.findElement(By.*xpath*("//input[contains(@placeholder,'Username')]")).sendKeys("admin");

// Enter password

driver.findElement(By.*xpath*("//input[contains(@placeholder,'Password')]")).sendKeys("admin123");

// click on Login button

driver.findElement(By.*xpath*("//button[normalize-space()='Login']")).click();

// get current url

String URL = driver.getCurrentUrl();

// Verify that the URL title is "HRM"

**if** (URL.contains("dashboard")) {

System.***out***.println("The page url contains the string 'dashboard'");

} **else** {

System.***out***.println("The page url does not contains the string 'dashboard'");

}

// click on picture Image

driver.findElement(By.*xpath*("//div[@class='oxd-topbar-header']//img[@alt='profile picture']")).click();

// click on logout

driver.findElement(By.*xpath*("//a[normalize-space()='Logout']")).click();

}

}