**Practical-4**

**Aim: Write a program using Selenium WebDriver to automate the login process on a specific web page. Verify successful login with appropriate assertions.**

**Steps:**

1. Create a Login.html & User.php file and save it in C:\xampp\htdocs\stpracts
2. Open Netbeans 8.1 > Create Project on Java Application naming it as Login > Add selenium jar files in the library > Type the Code > give proper path to geckodriver
3. Connect the Xampp server > Open Firefox type <http://localhost:8080/stpracts/> .It will display a web page > Click on Login.html > Copy the URL (<http://localhost:8080/stpracts/Login.html>)
4. Paste the URL in the Java Code & RUn the Program

**Login.html**

<html>

<head>

<title> Login Page </title>

</head>

<body>

<form id= "login" action = "http://localhost:8080//User.php" method="post" accept-charset='UTF-8'>

User Name\*:

<input type= "text" name = "username" id="username" maxlength="50"/>

Password\*:

<input type= "password" name = "password" id="password" maxlength="50"/>

<input type = 'submit' name= "button" value="submit"/>

</form>

</body>

</html>

**User.php**

<?php

$u=$\_POST['username'];

$p=$\_POST['password'];

if(($u == "test") && ($p == "test"))

{

echo "Login Successful";

}

else

{

echo "invalid user";

}

**Login.java (In Netbeans)**

package checkboxcount;

import org.openqa.selenium.By;

import org.openqa.selenium.Platform;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.remote.DesiredCapabilities;

public class CheckboxCount {

public static void main(String[] args) {

System.setProperty("webdriver.gecko.driver","D:\\selenium\\geckodriver.exe");

DesiredCapabilities capabilities = new DesiredCapabilities();

capabilities = DesiredCapabilities.firefox();

capabilities.setBrowserName("firefox");

capabilities.setVersion("38.0.5");

capabilities.setPlatform(Platform.WINDOWS);

capabilities.setCapability("marionette", false);

WebDriver driver=new FirefoxDriver (capabilities);

driver.get("http://browsershots.org/");

java.util.List<WebElement> c = driver.findElements(By.xpath("//input[@type='checkbox']"));

System.out.println("Count of Check boxes "+c.size());

java.util.List<WebElement> d = driver.findElements(By.xpath("//input[@type='checkbox' and @checked]"));

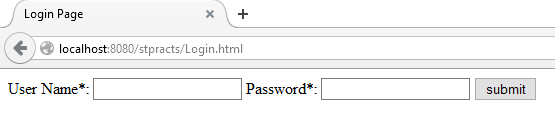
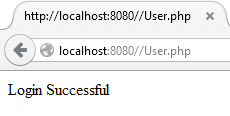
System.out.println("Count of Check boxes Checked "+d.size());

java.util.List<WebElement> e = driver.findElements(By.xpath("//input[@type='checkbox' and not(@checked)]"));

System.out.println("Count of Check boxes Not Checked "+e.size());

}

}

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