**Simplilearn**

**Practise Assement 1: Automation of web page with login and registration.**

**As a Full Stack Developer, you have to build an automation script that automated the basic functionalities like registration and login.**

**Source Code**

**Index.java**

import java.io.IOException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class index

\*/

public class index extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

RequestDispatcher rd;

String userName=request.getParameter("username");

String password=request.getParameter("password");

HttpSession session= request.getSession();

if("admin".equalsIgnoreCase(userName)&& "Admin@123".equals(password)) {

rd=getServletContext().getRequestDispatcher("/Welcomepage.html");

System.out.println("valid user");

rd.forward(request, response);

}else {

rd=getServletContext().getRequestDispatcher("/error.html");

System.out.println("invalid user");

rd.forward(request, response);

}

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

doGet(request, response);

}

}

**TestFile**

**Register.java**

package com;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class Register

{

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

{

System.setProperty("webdriver.chrome.driver","C:\\Users\\shubh\\OneDrive\\Desktop\\SupportingFile phase 5\\chromedriver\_win32 (1)\\chromedriver.exe");

WebDriver d=new ChromeDriver();

d.manage().window().maximize();

d.get("http://localhost:8099/MyFirstProjec/Register.html");

d.findElement(By.xpath("/html/body/form/input[1]")).sendKeys("admin");

Thread.sleep(10000);

d.findElement(By.xpath("/html/body/form/input[2]")).sendKeys("Admin@123");

Thread.sleep(10000);

d.findElement(By.xpath("/html/body/form/input[3]")).sendKeys("7995940734");

Thread.sleep(10000);

d.findElement(By.xpath("/html/body/form/input[4]")).sendKeys("Admin2gamil.com");

Thread.sleep(10000);

d.findElement(By.xpath("/html/body/form/input[5]")).click();

Thread.sleep(10000);

}

}

**testing.java**

package com;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class testing

{

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

{

System.setProperty("webdriver.chrome.driver","C:\\Users\\shubh\\OneDrive\\Desktop\\SupportingFile phase 5\\chromedriver\_win32 (1)\\chromedriver.exe");

WebDriver d=new ChromeDriver();

d.manage().window().maximize();

d.get("http://localhost:8099/MyFirstProjec/Login.html");

d.findElement(By.xpath("/html/body/form/input[1]")).sendKeys("admin");

Thread.sleep(10000);

d.findElement(By.xpath("/html/body/form/input[2]")).sendKeys("Admin@123");

Thread.sleep(10000);

d.findElement(By.xpath("/html/body/form/input[3]")).click();

Thread.sleep(10000);

}

}

**Error.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<h3 style="color:red;">Invalid crede</h3>

click hear

<a href="http://localhost:8080/MyFirstProjec/Login.html" >login</a>

</body>

</html>

**Login.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form action="displayPage">

<td>User Name:</td>

<td><input type="text" name="username"></td><br><br></br>

<td>Password:</td>

<td><input type="password" name="password"></td><br><br>

<td align="center"><input type="submit" value="login"></td>

</form>

</body>

</html>

**Register.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form action="Register">

<td>User Name:</td>

<td><input type="text" name="username"></td><br><br></br>

<td>Password:</td>

<td><input type="password" name="password"></td><br><br>

<td>Mobile Number</td>

<td><input type="number" name ="phone number"></td><br><br>

<td>EMAIL</td>

<td><input type="email" name="Email"></td></td></td>

<td align="center"><input type="submit" value="Register"></td>

</form>

</body>

</html>

**Welcome.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<h1>Welcome to java page</h1>

</body>

</html>