

Selenium Day2 Assignment – 2.2

Introduction

This assignment will help you understand the concepts learnt in the session.

Objective

In this challenge, we review the click, type and select using Selenium WebDriver

Task

Please try to configure Chrome Browser and navigate to <http://magento.com>. Automate all the features in the registration page using the XPATH locators except captcha.

Note: Leave captcha. No need to automate.

Solution:

```
package com.ibm.seleniumconcepts;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class SeleniumBrowser {

    public static void main(String[] args) throws InterruptedException {
//Using implicit wait and explicit wait
        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        System.setProperty("webdriver.gecko.driver",
"./drivers/geckodriver.exe");
        System.setProperty("webdriver.ie.driver",
"./drivers/IEDriverServer.exe");
        WebDriver driver =new ChromeDriver();
        WebDriverWait wait=new WebDriverWait(driver, 60);//60, 90

        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);//30,40
        driver.get("https://magento.com/");

        WebElement
myAccountEle=driver.findElement(By.xpath("//span[text()='Account']/ancestor::a"));
        myAccountEle.click();
    }
}
```

```

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

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

WebElement firstName= driver.findElement(By.xpath("//input[@title='First Name']"));
    firstName.sendKeys("Manjunath");

WebElement lastName= driver.findElement(By.xpath("//input[@title='Last Name']"));
    lastName.sendKeys("N R");

WebElement emailEle= driver.findElement(By.xpath("//input[@title='Email Address']"));
    emailEle.sendKeys("manjunar@in.ibm.com");

WebElement passWord= driver.findElement(By.xpath("//input[@title='Password']"));
    passWord.sendKeys("Mn710265");

WebElement confirmPassword= driver.findElement(By.xpath("//input[@title='Confirm
Password']"));
    confirmPassword.sendKeys("Mn710265");

System.out.println("Entered details for new registration, except dropdowns, captcha
and submit button");

    }
}

```

Selenium Projects - SeleniumConcepts/src/com/ibm/seleniumconcepts/SeleniumBrowser.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

The screenshot shows the Eclipse IDE interface. The left sidebar displays the project structure: SeleniumConcepts > JRE System Library [jdk1.8.0_191] > src > com.ibm.seleniumconcepts > SeleniumBrowser.java. The main editor window shows the code for SeleniumBrowser.java. The code includes package declarations, imports for Selenium and WebDriver classes, and a main method that sets system properties for ChromeDriver, GeckoDriver, and IEDriverServer, then creates a ChromeDriver instance and navigates to 'https://magento.com/'. The bottom console window shows the execution output, including the start of ChromeDriver, session creation, and a message about detected dialect.

```
1 package com.ibm.seleniumconcepts;
2 import java.util.concurrent.TimeUnit;
3
4 import org.openqa.selenium.By;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.openqa.selenium.firefox.FirefoxDriver;
9 import org.openqa.selenium.ie.InternetExplorerDriver;
10 import org.openqa.selenium.support.ui.ExpectedConditions;
11 import org.openqa.selenium.support.ui.WebDriverWait;
12 public class SeleniumBrowser {
13
14     public static void main(String[] args) throws InterruptedException {
15         /**
16
17         System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
18         System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
19         System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
20         WebDriver driver =new ChromeDriver();
21         driver.get("https://magento.com/");
22     }
23 }
```

Console Output:

```
<terminated> SeleniumBrowser [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 8, 2018, 4:59:55 PM)
Starting ChromeDriver 2.42.591088 (7b2b2dca23cca0862f674758c9a3933e685c27d5) on port 14290
Only local connections are allowed.
Dec 08, 2018 4:59:59 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Entered details for new registration, except dropdowns, captcha and submit button
```