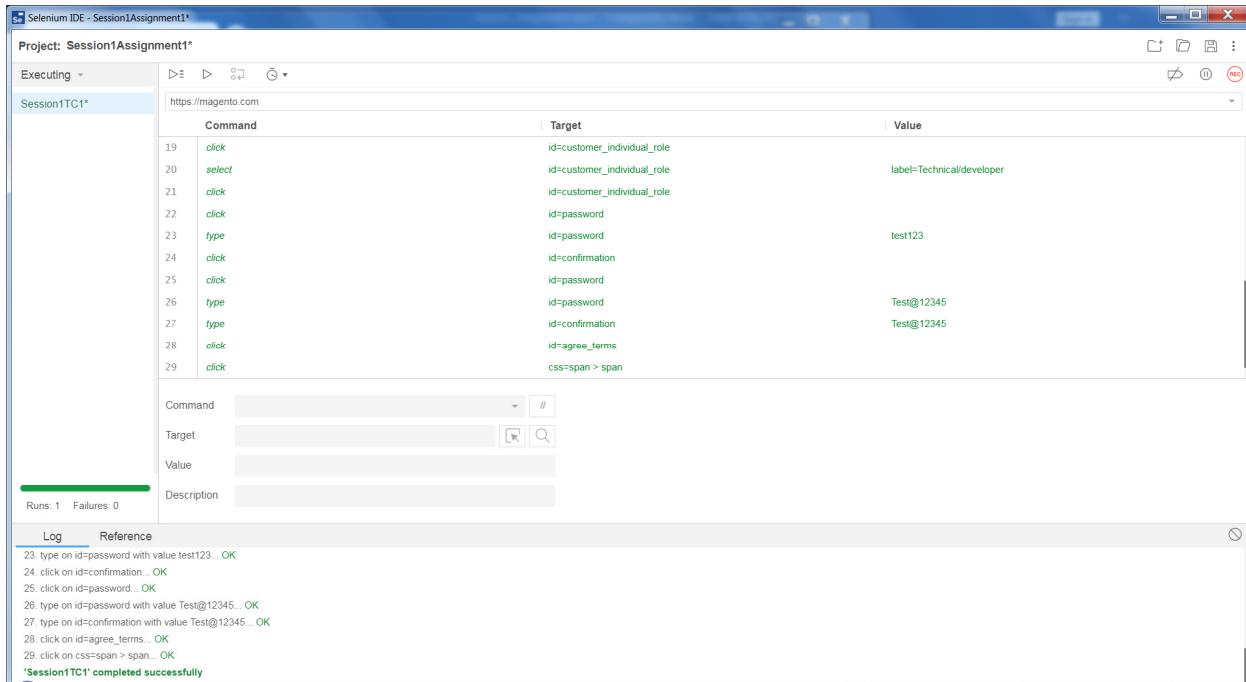


Session1 Assignment1

Assignment – 1.1

Record a new session for base URL as <https://magento.com/> and then click on the icon to navigate to customer login page and then to Registration Page and automate all the fields. Note: Leave captcha. No need to automate

Solution as below with screen shot, also attaching the file “Session1Assignment1.side”.



The screenshot shows the Selenium IDE interface with a recorded test case named "Session1TC1". The test case has 29 steps. The steps are as follows:

Step	Command	Target	Value
19	click	id=customer_individual_role	
20	select	id=customer_individual_role	label=Technical/developer
21	click	id=customer_individual_role	
22	click	id=password	
23	type	id=password	test123
24	click	id=confirmation	
25	click	id=password	
26	type	id=password	Test@12345
27	type	id=confirmation	Test@12345
28	click	id=agree_terms	
29	click	css=span > span	

The Log tab at the bottom shows the following execution results:

- 23 type on id=password with value test123... OK
- 24 click on id=confirmation... OK
- 25 click on id=password... OK
- 26 type on id=password with value Test@12345... OK
- 27 type on id=confirmation with value Test@12345... OK
- 28 click on id=agree_terms... OK
- 29 click on css=span > span... OK

The message "Session1TC1 completed successfully" is displayed at the bottom of the log.

Create New Customer Account +

https://account.magento.com/customer/account/create/

 **Magento®**
An Adobe Company

Create an Account

Personal Information

First Name * This is a required field.

Last Name * This is a required field.

Email Address * This is a required field.

Country *

My Company Primarily *

Create New Customer Account

https://account.magento.com/customer/account/create/

Magento®
An Adobe Company

Country * India

My Company Primarily * Tech Partner

My Role * Technical/developer

Login Information

Password * ••••••••
This is a required field.

Confirm Password * ••••••••
This is a required field.

I'm not a robot 
reCAPTCHA
Privacy - Terms

Screenshot of a web browser showing the "Create New Customer Account" page on the Magento website.

The URL in the address bar is <https://account.magento.com/customer/account/create/>.

The page displays the Magento logo and the text "An Adobe Company".

A red error message "This is a required field." is displayed above the "Confirm Password" input field, which contains "*****".

An "I'm not a robot" reCAPTCHA checkbox is present, with the text "reCAPTCHA Privacy - Terms" below it.

A note at the bottom states: "Your email will need to be validated before you can download software/updates."

The "Terms of Service" section includes a checked checkbox and the text: "I agree that use of Magento's website is subject to the [Magento Website Terms of Service](#) and [Magento Privacy Policy](#). I understand that I can withdraw this consent at any time by visiting our [preference center](#)."

At the bottom right is a large orange "Submit" button, and at the bottom center is the text "* Required Fields".

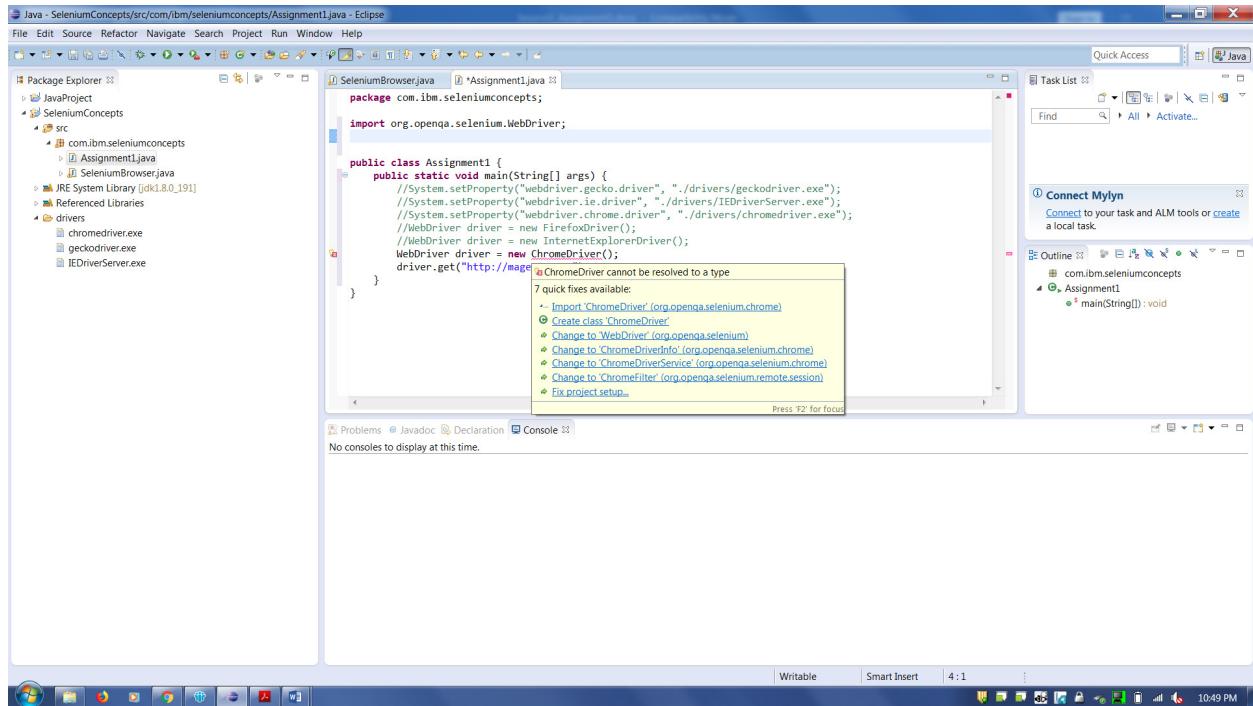
The footer contains the copyright notice "© 2018 Magento, Inc. All Rights Reserved.", and links to "Privacy Policy", "Terms Of Service", and "License/Trademark FAQ".

Assignment – 1.2

Please try to configure Internet Explorer browser and Chrome Browser. Try to check on the exception you're getting.

Solution as below with screen shot:

To import ChromeDriver: Mouse hover on ChromeDriver then click on link Import ChromeDriver



There should be exception when Chrome driver is not copied on main project created in Eclipse. Screen shot as below:

```
Exception in thread "main" java.lang.IllegalStateException: The path to the driver executable must be set by the webdriver.chrome.driver system property; for more information, see https://github.com/SeleniumHQ/selenium/wiki/ChromeDriver. The latest version can be downloaded from http://chromedriver.storage.googleapis.com/index.html
        at com.google.common.base.Preconditions.checkState(Preconditions.java:847)
        at
org.openqa.selenium.remote.service.DriverService.findExecutable(DriverService.java:134)
        at
        at
org.openqa.selenium.chrome.ChromeDriverService.access$000(ChromeDriverService.java:35)
        at
        at
org.openqa.selenium.chrome.ChromeDriverService$Builder.findDefaultExecutable(ChromeDriverService.java:159)
        at
        at
org.openqa.selenium.remote.service.DriverService$Builder.build(DriverService.java:355)
        at
        at
org.openqa.selenium.chrome.ChromeDriverService.createDefaultService(ChromeDriverService.java:94)
        at org.openqa.selenium.chrome.ChromeDriver.<init>(ChromeDriver.java:123)
        at com.ibm.seleniumconcepts.Assignment1.main(Assignment1.java:14)
```

```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Task List
SeleniumConcepts
  src
    Assignment1.java
    SeleniumBrowser.java
  Referenced Libraries
    drivers
      geckodriver.exe
      IEDriverServer.exe
SeleniumBrowser.java Assignment1.java
package com.ibm.seleniumconcepts;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Assignment1 {
    public static void main(String[] args) {
        //System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
        //System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
        //System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
        //WebDriver driver = new FirefoxDriver();
        //WebDriver driver = new InternetExplorerDriver();
        WebDriver driver = new ChromeDriver();
        driver.get("http://magento.com");
    }
}

Problems Declaration Console
<terminated> Assignment1 [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\najaw.exe (Nov 27, 2018, 10:53:49 PM)
Exception in thread "main" java.lang.IllegalStateException: The path to the driver executable must be set by the webdriver.chrome.driver system property; f
at com.google.common.base.Preconditions.checkNotNull(Preconditions.java:847)
at org.openqa.selenium.remote.service.DriverService.findExecutable(DriverService.java:134)
at org.openqa.selenium.chrome.ChromeDriverService.access$000(ChromeDriverService.java:35)
at org.openqa.selenium.chrome.ChromeDriverService$Builder.findDefaultExecutable(ChromeDriverService.java:159)
at org.openqa.selenium.remote.service.DriverService$Builder.build(DriverService.java:355)
at org.openqa.selenium.chrome.ChromeDriverService.createDefaultService(ChromeDriverService.java:94)
at org.openqa.selenium.chrome.ChromeDriver.<init>(ChromeDriver.java:123)
at com.ibm.seleniumconcepts.Assignment1.main(Assignment1.java:14)

Outline
com.ibm.seleniumconcepts
Assignment1
  main(String[])

```

Now copy the Chrome driver on main project. Try to launch Chrome browser using the program.

```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Task List
SeleniumConcepts
  src
    Assignment1.java
    SeleniumBrowser.java
  Referenced Libraries
    drivers
      chromedriver.exe
SeleniumBrowser.java Assignment1.java
package com.ibm.seleniumconcepts;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Assignment1 {
    public static void main(String[] args) {
        //System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
        //System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
        //System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
        //WebDriver driver = new FirefoxDriver();
        //WebDriver driver = new InternetExplorerDriver();
        WebDriver driver = new ChromeDriver();
        driver.get("http://magento.com");
    }
}

eCommerce Platform | Best eCom
https://magento.com
Chrome is being controlled by automated test software.

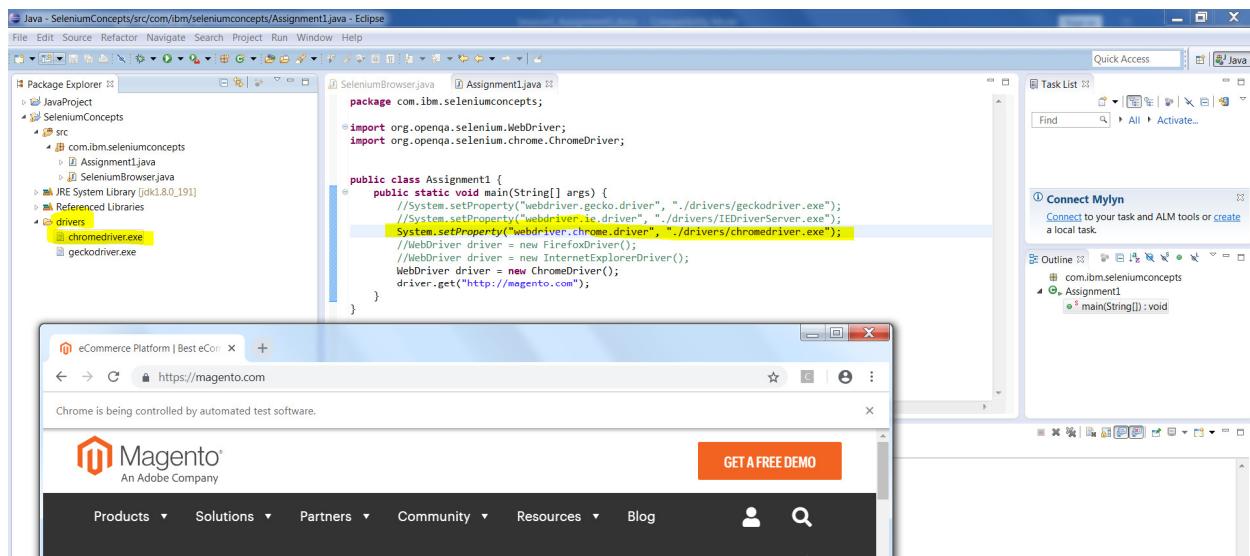
GET A FREE DEMO
Products Solutions Partners Community Resources Blog

```

```
java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Assignment1.java
SeleniumBrowser.java
src
  com.ibm.seleniumconcepts
    Assignment1.java
    SeleniumBrowser.java
  JRE System Library [jdk1.8.0_191]
  Referenced Libraries
  drivers
    chromedriver.exe
Task List
Find All Activate...
① Connect Mylyn
Connect to your task and ALM tools or create a local task.
Outline
com.ibm.seleniumconcepts
Assignment1
main(String[])
Problems Javadoc Declaration Console
<terminated> Assignment1 [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Nov 27, 2018, 10:58:06 PM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 24052
Only local connections are allowed.
Nov 27, 2018 10:58:09 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
```

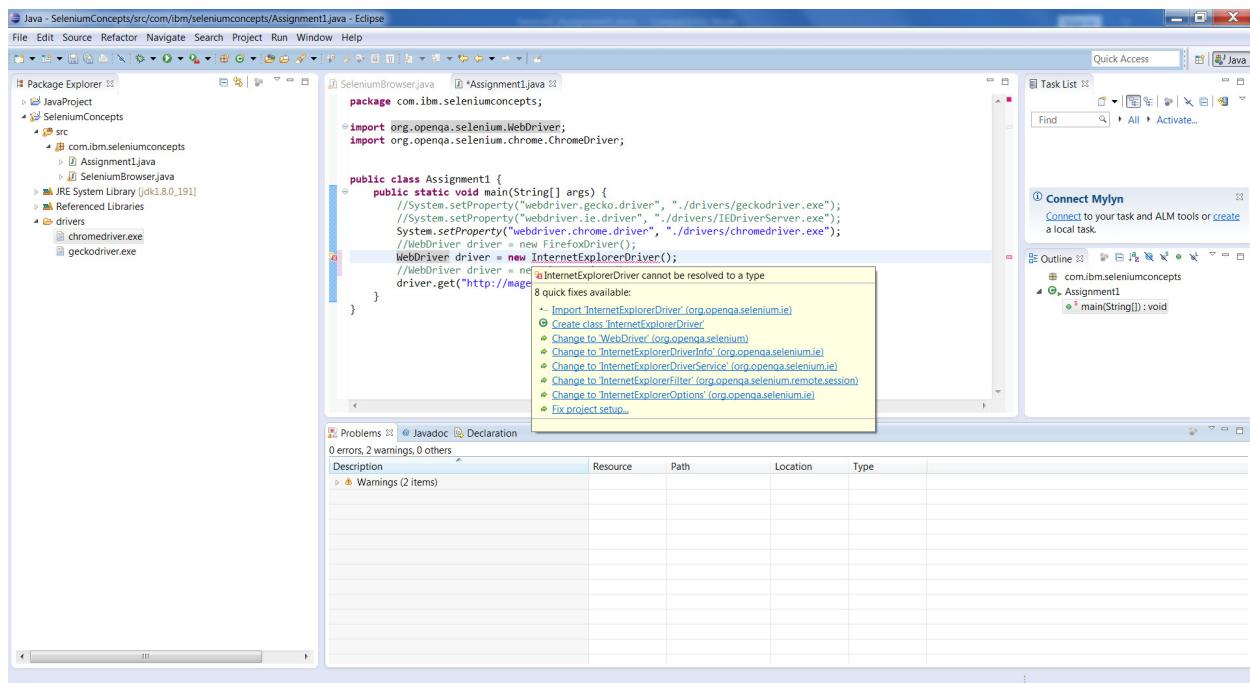
Now move the Chrome driver to particular folder as “drivers” in order to organize the project structure.
Try to launch the Chrome browser.

```
java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Assignment1.java
SeleniumBrowser.java
src
  com.ibm.seleniumconcepts
    Assignment1.java
    SeleniumBrowser.java
  JRE System Library [jdk1.8.0_191]
  Referenced Libraries
  drivers
    chromedriver.exe
    geckodriver.exe
Task List
Find All Activate...
① Connect Mylyn
Connect to your task and ALM tools or create a local task.
Outline
com.ibm.seleniumconcepts
Assignment1
main(String[])
Problems Javadoc Declaration Console
<terminated> Assignment1 [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Nov 27, 2018, 11:04:21 PM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 46444
Only local connections are allowed.
Nov 27, 2018 11:04:24 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
```



Configuration for Internet Explorer browser:

To import IE Driver: Mouse hover on InternetExplorerDriver then click on link Import InternetExplorerDriver



```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Task List
SeleniumBrowser.java Assignment1.java
package com.ibm.seleniumconcepts;
import org.openqa.selenium.WebDriver;
//import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;

public class Assignment1 {
    public static void main(String[] args) {
        //System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
        //System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
        WebDriver driver = new FirefoxDriver();
        WebDriver driver = new InternetExplorerDriver();
        driver.get("http://magento.com");
    }
}

Problems Javadoc Declaration
0 errors, 2 warnings, 0 others
Description Resource Path Location Type
Warnings (2 items)

```

Run the program without adding driver. Below is the exception(screen shot attached)

```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Task List
SeleniumBrowser.java Assignment1.java
package com.ibm.seleniumconcepts;
import org.openqa.selenium.WebDriver;
//import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;

public class Assignment1 {
    public static void main(String[] args) {
        //System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
        //System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
        WebDriver driver = new FirefoxDriver();
        WebDriver driver = new InternetExplorerDriver();
        driver.get("http://magento.com");
    }
}

Problems Javadoc Declaration Console
<terminated> Assignment1 [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Nov 27, 2018, 11:13:45 PM)
Exception in thread "main" java.lang.IllegalStateException: The path to the driver executable must be set by the webdriver.ie.driver system property; for more information, see https://github.com/SeleniumHQ/selenium/wiki/InternetExplorerDriver. The latest version can be downloaded from http://selenium-release.storage.googleapis.com/index.html
at com.google.common.base.Preconditions.checkNotNull(Preconditions.java:847)
at org.openqa.selenium.remote.service.DriverService.findExecutable(DriverService.java:134)
at org.openqa.selenium.ie.InternetExplorerDriverService$Builder.findExecutable(InternetExplorerDriverService.java:35)
at org.openqa.selenium.remote.service.DriverService$Builder.build(DriverService.java:35)
at org.openqa.selenium.ie.InternetExplorerDriver.setupService(InternetExplorerDriver.java:281)
at org.openqa.selenium.ie.InternetExplorerDriver.<init>(InternetExplorerDriver.java:211)
at org.openqa.selenium.ie.InternetExplorerDriver.<init>(InternetExplorerDriver.java:156)
at com.ibm.seleniumconcepts.Assignment1.main(Assignment1.java:14)

```

Exception in thread "main" **java.lang.IllegalStateException: The path to the driver executable must be set by the webdriver.ie.driver system property; for more information, see <https://github.com/SeleniumHQ/selenium/wiki/InternetExplorerDriver>. The latest version can be downloaded from <http://selenium-release.storage.googleapis.com/index.html>**

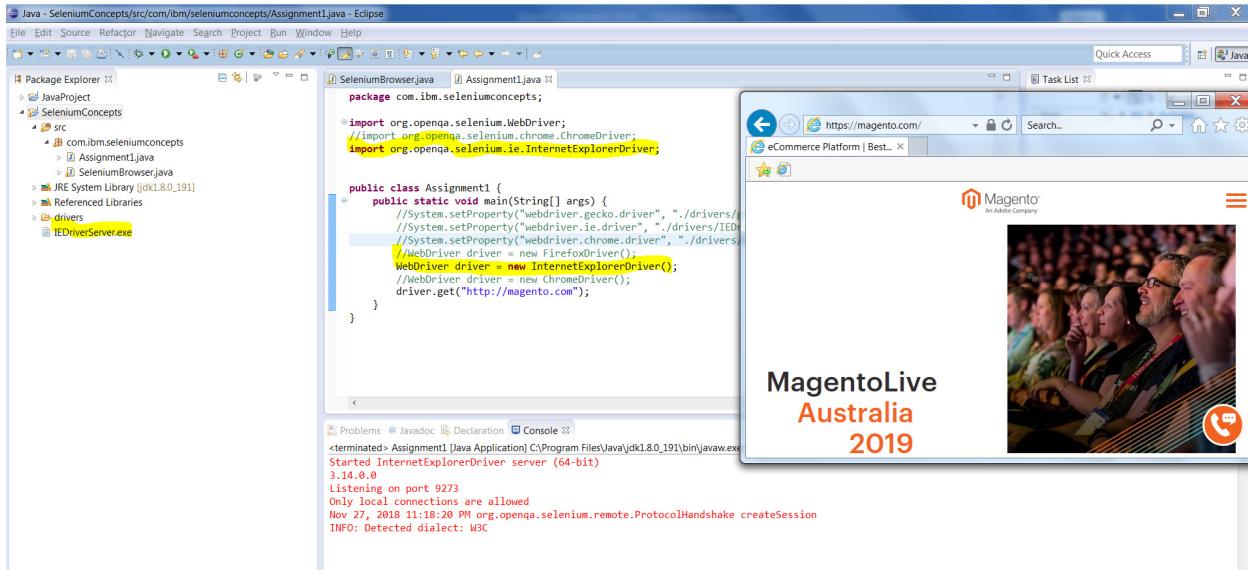
at com.google.common.base.Preconditions.checkNotNull(Preconditions.java:847)

```

        at
org.openqa.selenium.remote.service.DriverService.findExecutable(DriverService.java:13
4)
        at
org.openqa.selenium.ie.InternetExplorerDriverService.access$000(InternetExplorerDrive
rService.java:35)
        at
org.openqa.selenium.ie.InternetExplorerDriverService$Builder.findDefaultExecutable(In
ternetExplorerDriverService.java:175)
        at
org.openqa.selenium.remote.service.DriverService$Builder.build(DriverService.java:355
)
        at
org.openqa.selenium.ie.InternetExplorerDriver.setupService(InternetExplorerDriver.jav
a:281)
        at
org.openqa.selenium.ie.InternetExplorerDriver.<init>(InternetExplorerDriver.java:211)
        at
org.openqa.selenium.ie.InternetExplorerDriver.<init>(InternetExplorerDriver.java:150)
at com.ibm.seleniumconcepts.Assignment1.main(Assignment1.java:14)

```

Now copy the IE driver on main project. Try to launch IE browser using the program.



Now move the IE driver to particular folder as “drivers” in order to organize the project structure. Try to launch the IE browser using the IE driver on program.

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment1.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer JRE System Library [jdk1.8.0_191]

SeleniumConcepts

- src
- Assignment1.java
- SeleniumBrowser.java
- drivers
- chromedriver.exe
- geckodriver.exe
- IEDriverServer.exe

SeleniumBrowser.java Assignment1.java

```
package com.ibm.seleniumconcepts;

import org.openqa.selenium.WebDriver;
//import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;

public class Assignment1 {
    public static void main(String[] args) {
        //System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
        System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
        //WebDriver driver = new FirefoxDriver();
        WebDriver driver = new InternetExplorerDriver();
        //WebDriver driver = new ChromeDriver();
        driver.get("http://magento.com");
    }
}
```

Task List

Find All Activate...

① Connect Mylyn

Connect to your task and ALM tools or create a local task

Problems Javadoc Declaration Console

```
<terminated> Assignment1 [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin Started InternetExplorerDriver server (64-bit)
3.14.0.0
Listening on port 40442
Only local connections are allowed
Nov 27, 2018 11:22:18 PM org.openqa.selenium.remote.ProtocolHandshake INFO: Detected dialect: W3C
```

Optimize Engagement and Support

The B2B Buyer Experience Essentials Series #3

This prescriptive, question-and-answer Short Guide is designed to

