

Selenium Maven automation assignment NHSBSA: Pre-requisite to run from command line:

Step1:

- Maven to be installed

This PC > Windows10_OS (C:) > Program Files > apache-maven-3.8.1

Name	Date modified	Type	Size
bin	6/24/2021 1:36 PM	File folder	
boot	6/24/2021 1:36 PM	File folder	
conf	6/24/2021 1:36 PM	File folder	
lib	6/24/2021 1:36 PM	File folder	
LICENSE	6/24/2021 1:36 PM	File	18 KB
NOTICE	6/24/2021 1:36 PM	File	6 KB
README	6/24/2021 1:36 PM	Text Document	3 KB

- Java JDK should be installed.

This PC > Windows10_OS (C:) > Program Files > Java >

Name	Date modified	Type
jdk1.8.0_291	6/24/2021 2:00 PM	File folder
jre1.8.0_291	6/24/2021 2:00 PM	File folder

Step2:

Environment System variables to set:

JAVA_HOME	C:\Program Files\Java\jdk1.8.0_291
M2_HOME	C:\Program Files\apache-maven-3.8.1
MAVEN_HOME	C:\Program Files\apache-maven-3.8.1

Step 3: Clone the project from Github from the link:

Step 4: Save the project in the folder anywhere.

Step 5: Open command prompt and go to the project folder where POM file is present.

```
Directory of E:\Selenium projects\NHS
06/25/2021  03:39 PM    <DIR>          .
06/25/2021  03:39 PM    <DIR>          ..
06/25/2021  03:48 PM             1,593 .classpath
06/25/2021  03:45 PM             846 .project
06/25/2021  03:47 PM             settings
06/25/2021  04:55 PM      4,170 pom.xml
06/22/2021  03:45 PM    <DIR>          src
06/24/2021  03:08 PM    <DIR>          target
06/25/2021  06:46 PM    <DIR>          TestData
               3 File(s)             6,609 bytes
               6 Dir(s)  112,505,675,776 bytes free
```

Step 6: Type Maven keyword to execute test: **mvn clean test**

```
E:\Selenium projects\NHS>mvn clean test
```

Once the test execution starts we can see Maven commands being initiated and chromedriver will be launched executing the tests.

```
E:\Selenium projects\NHS>mvn clean test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< NHS:NHS >-----
[INFO] Building NHS 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
```

Chromedriver test:

```
Select Administrator: Command Prompt
Downloading from central: https://repo.maven.apache.org/maven2/io/cucumber/messages/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/io/cucumber/messages/maven-metadata.xml (1.9 kB at 1.0 kB/s)
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ NHS ---
[INFO] Deleting E:\Selenium projects\NHS\target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ NHS ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.7.0:compile (default-compile) @ NHS ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ NHS ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 2 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.7.0:testCompile (default-testCompile) @ NHS ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 6 source files to E:\Selenium projects\NHS\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ NHS ---
[INFO] Surefire report directory: E:\Selenium projects\NHS\target\surefire-reports

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T E S T S
-----
Running StepDefinitions.CucumberTest

Scenario Outline: Verification of Reset button                                # src/test/resources/Features/AcceptanceCriteria.feature:14
Person from w-WalesProject Path is:E:\Selenium projects\NHS
  Given I am a person from Wales                                           # StepDefinitions.Selection.PersonFromWales()
    SLF4J: Class path contains multiple SLF4J bindings.
    SLF4J: Found binding in [jar:file:/C:/Users/Administrator/.m2/repository/org/slf4j/slf4j-simple/1.6.6/slf4j-simple-1.6.6.jar!/org/slf4j/impl/StaticLoggerBinder.class]
    SLF4J: Found binding in [jar:file:/C:/Users/Administrator/.m2/repository/org/slf4j/slf4j-jdk14/1.5.3/slf4j-jdk14-1.5.3.jar!/org/slf4j/impl/StaticLoggerBinder.class]
    SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
    SLF4J: Actual binding is of type [org.slf4j.impl.SimpleLoggerFactory]
    Starting ChromeDriver 91.0.4472.101 (af52a90bf87030dd1523486a1cd3ae25cd5d76c9b-refs/branch-heads/4472@{#1462}) on port 25972
    Only local connections are allowed.
    Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
    ChromeDriver was started successfully.
    Jun 28, 2021 2:00:18 PM org.openqa.selenium.remote.ProtocolHandshake createSession
    INFO: Detected dialect: W3C
    And I am able to open the browser and navigate to the NHS url           # StepDefinitions.Selection.OpenBrowserAndNavigate()
    When I put my circumstances into the Checker tool 22 and 06 and 2000    # StepDefinitions.Selection.AddCircumstances(java.lang.String,java.lang.String,java.lang.String)
    You get help with NHS costs
```

Geckodriver test:

```
Administrator: Command Prompt
[INFO]
[INFO] --- maven-compiler-plugin:3.7.0:testCompile (default-testCompile) @ NHS ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 6 source files to E:\Selenium projects\NHS\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ NHS ---
[INFO] Surefire report directory: E:\Selenium projects\NHS\target\surefire-reports

-----
T E S T S
-----
Running StepDefinitions.CucumberTest

Scenario Outline: Wales Test Ticket - Acceptance Criteria                  # src/test/resources/Features/AcceptanceCriteria.feature:14
Person from w-WalesProject Path is:E:\Selenium projects\NHS
  Given I am a person from Wales                                           # StepDefinitions.Selection.PersonFromWales()
    SLF4J: Class path contains multiple SLF4J bindings.
    SLF4J: Found binding in [jar:file:/C:/Users/Administrator/.m2/repository/org/slf4j/slf4j-simple/1.6.6/slf4j-simple-1.6.6.jar!/org/slf4j/impl/StaticLoggerBinder.class]
    SLF4J: Found binding in [jar:file:/C:/Users/Administrator/.m2/repository/org/slf4j/slf4j-jdk14/1.5.3/slf4j-jdk14-1.5.3.jar!/org/slf4j/impl/StaticLoggerBinder.class]
    SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
    SLF4J: Actual binding is of type [org.slf4j.impl.SimpleLoggerFactory]
    1624886917286   geckodriver      INFO    Listening on 127.0.0.1:19534
    1624886918480   mozrunner:runner    INFO    Running command: "C:\\Program Files\\Mozilla Firefox\\firefox.exe" "--marionette" "--foreground" "--no-remote" "--profile"
    "C:\\Users\\Administrator\\AppData\\Local\\Temp\\rust_mozprofile0KI6Nk"
    1624886925914   Marionette        INFO    Marionette enabled
    [Parent 6156, IPC I/O Parent] WARNING: file ./builds/worker/checkouts/gecko/ipc/chromium/src/base/process_util_win.cc:167
    console.warn: SearchSettings: "get: No settings file exists, new profile?" (new NotFoundError("could not open the file at C:\\Users\\Administrator\\AppData\\Local\\Temp
    \\rust_mozprofile0KI6Nk\\search.json.mozlz4", (void 0)))
    1624886949671   Marionette        INFO    Listening on port 57087
    1624886951480   Marionette        WARN    TLS certificate errors will be ignored for this session
    Jun 28, 2021 2:01:12 PM org.openqa.selenium.remote.ProtocolHandshake createSession
    INFO: Detected dialect: W3C
    And I am able to open the browser and navigate to the NHS url           # StepDefinitions.Selection.OpenBrowserAndNavigate()
    1624886959983   Marionette        WARN    TimedPromise timed out after 500 ms: stacktrace:
    TimedPromise@chrome://marionette/content/sync.js:237:19
    TimedPromise@chrome://marionette/content/sync.js:222:10
    interaction.flushEventLoop@chrome://marionette/content/interaction.js:431:10
    webdriverClickElement@chrome://marionette/content/interaction.js:179:31
    When I put my circumstances into the Checker tool 22 and 06 and 2000    # StepDefinitions.Selection.AddCircumstances(java.lang.String,java.lang.String,java.lang.String)
    You get help with NHS costs
    1624886979237   Marionette        INFO    Stopped listening on port 57087

###!!! [Child][RunMessage] Error: Channel closing: too late to send/recvd, messages will be lost

JavaScript error: resource://gre/modules/CrashManager.jsm, line 829: AbortError: IOUtils: Shutting down and refusing additional I/O tasks
Test script executed successfully.
```

Step7: Once test is executed, Cucumber reports can be found in folder>

NHS\target\HTMLreport\index.html

passed

Execution summary
1 scenarios

Duration

38.078s

Implementation

cucumber-jvm - 6.9.0

Runtime

OpenJDK 64-Bit Server VM - 16.0.1+9-24

OS

Windows 10

CPU

amd64

Some text or @tags

You can use either plain text for the search or [cucumber tag expressions](#) to filter the output.

file:///E:/Selenium%20projects/NHS/src/test/resources/Features/AcceptanceCriteria.feature

Feature: As a person from Wales I need to know what help I can get with my NHS costs so that I can get the treatment I need

Scenario Outline: Verification of Reset button

- Given I am a person from Wales
- And I am able to open the browser and navigate to the NHS url
- When I put my circumstances into the Checker tool <Date> and <Month> and <Year>
- Then I should get a result of whether I will get help or not

Examples:

	Date	Month	Year
✓	22	06	2000