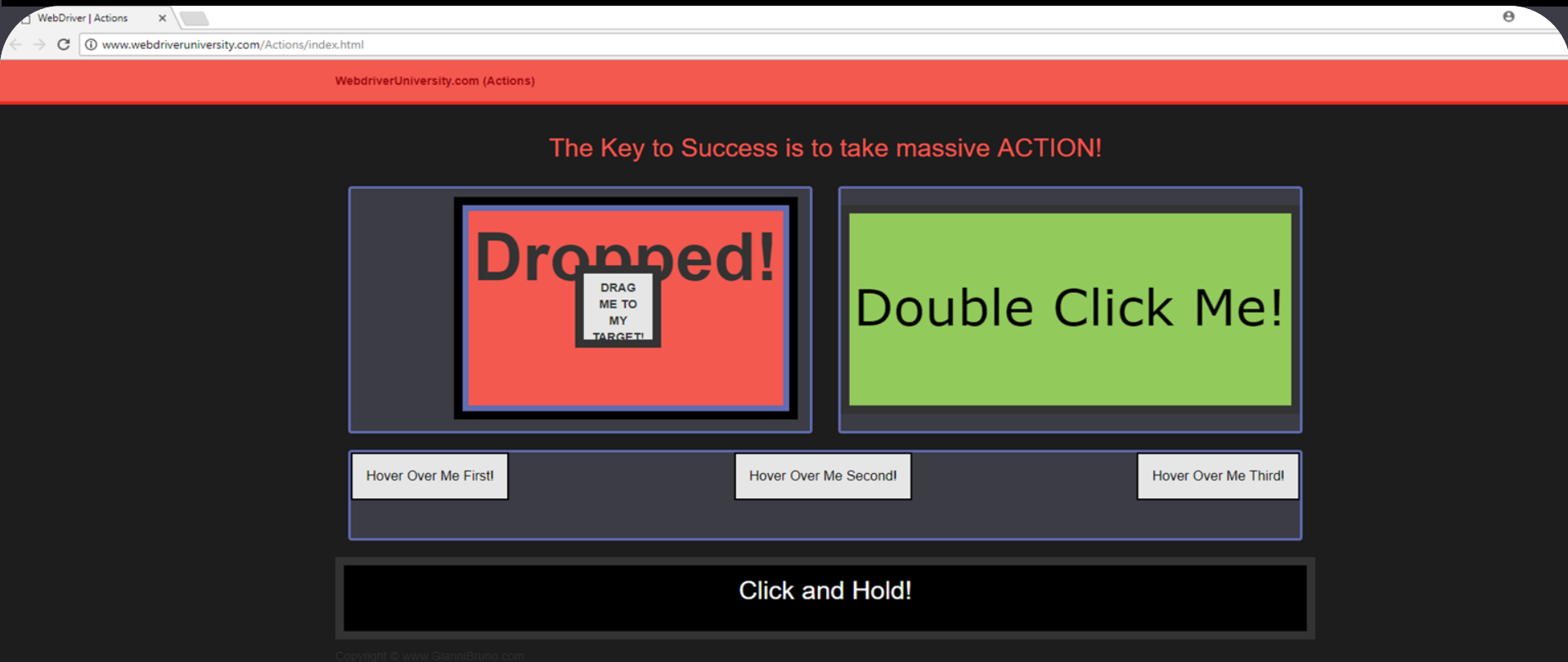


Cucumber BDD & Java - Basic to Advanced Framework Development

www.WebdriverUniversity.com



COURSE ROAD MAP

SETUP MODULE

1

MAVEN MODULE

2

BASICS MODULE

3

ADVANCED
MODULE

4

FRAMEWORK
MODULE

5

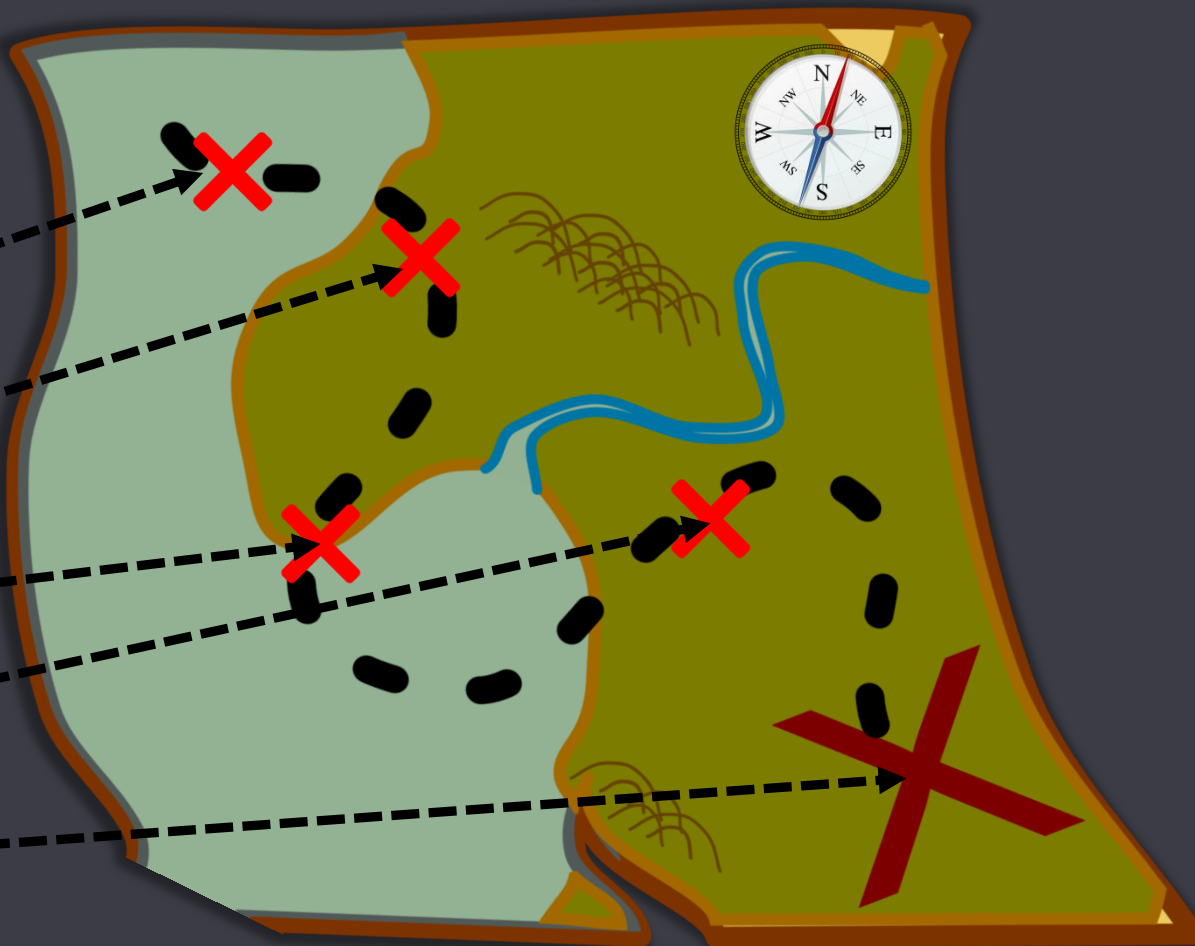
1

2

3

4

5



COURSE ROAD MAP

PHASE 1

(SETUP MODULE)



JAVA JDK

- Installing JAVA JDK.



APACHE MAVEN

- Installing Maven.



ECLIPSE

- Downloading and setting up Eclipse IDE the correct way!



TEST-NG

- Downloading and installing Test-NG addon within Eclipse.



CUCUMBER ADDON(S)

- Downloading and installing Cucumber addons within Eclipse.



VISUAL ENHANCEMENT ADDON

- Downloading and installing visual addon within Eclipse.



CHROME & CHROME DRIVER

- Download and setup chrome browser.
- Download and setup chrome driver.

COURSE ROAD MAP

PHASE 2

(MAVEN MODULE)



MAVEN

- Whats is Maven?
- Creating and setting up a maven project.



POM FILE

- What is a POM file?
- Why use a POM file?



IMPORTANT MAVEN COMMANDS

- Looking at important Maven commands you need to know!

COURSE ROAD MAP

PHASE 3

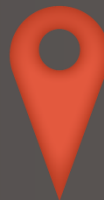
(BASICS MODULE)



Gherkin



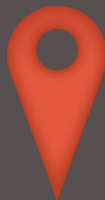
Feature File(s)



Step Definition(s)
Classe(s)



Runner Classe(s)



Reporting



Selenium Integration



**VISUAL OVERVIEW
USING EXAMPLE(S) &
EXPLANATION(S)**

COURSE ROAD MAP

PHASE 4

(CUCUMBER ADVANCED MODULE)



Gherkin

- Advanced Keywords:
@Given, @When, @Then...



Feature File(s)

- Multiple Scenario(s).
- Scenario Outline(s)
& Example(s).



Step Definition(s)

- Parameterisation.
- Lists & Data Tables...



Runner Class

- Cucumber Options.
- Hooks, Tags.
- TestNG Execution
File(s).



Reporting

- Cucumber Options.
- JUnit, Extent Reports.
- Attaching images to
reports.



Selenium Integration

- Setting up a Maven project
correctly.
- Creating classes &
custom methods...

COURSE ROAD MAP

PHASE 5

(CUCUMBER FRAMEWORK DESIGN & CONTINUOUS INTEGRATION MODULE)



Project Architecture

- Setting up our Maven project the right way!
- Looking into project designs.
- Creating relevant packages...



Driver Factory

- What is a Driver Factory?
- How can we setup and use a Driver Factory?
- What are the benefits of a Driver Factory?



Config Class & Constant File

- How can we configure and centralize one file as the base for all our configuration changes?
- How to create dynamic locators and more...



Advanced Hooks

- Bypass the architectural limitations of Cucumber; house all Hooks into one central class!



Advanced Reports

- Looking at the various ways we can generate advanced reports.
- How can we attach images to reports?



Page Object Model

- Why Page Object Modelling is so important!
- Looking at the correct ways model pages of a website.



Base & Sub Pages

- What is a base class?
- How should we use a base class and the bundled bespoke methods?
- Creating sub pages...



Batch File

- Creating a windows batch file to compile our project and to execute all test case(s) with the use of Maven commands.



Continuous Integration

- Using Jenkins to automatically execute our project(s).
- Generating Cucumber reports and attaching images....