

BDD Cucumber WebDriver

2 Day course

This comprehensive course covers all the essential principles to get you up and running in Behaviour-Driven Development of Cucumber and WebDriver Tests

Designed for beginners of BDD and Cucumber, it takes the new-comer through all the basic techniques of writing Feature Files in Gherkin, to writing the associated Step Definitions and code in Cucumber & WebDriver to executing from the command line.

Throughout the course practical examples are demonstrated, and the delegates get to practice what they have learned in each chapter against a Web training application.

Course Objectives

- understand the required installs and libraries to use Cucumber
- understand how to structure your automated Cucumber project
- gain a full understanding of how to write good Gherkin and Step Definitions
- Understand how refactor and re-use common Methods for Steps
- By the end of the course you should have a thorough understanding of how to develop well-written Feature Files and Scenarios, How to manage Step Definitions and write associated Methods, how to organise the Cucumber project and how to integrate into the POM framework

Course Pre-requisites

- A basic understanding of writing Selenium WebDriver Scripts
- Some programming experience would be advantageous - The course is based on using WebDriver with Java & Junit, but does not teach you Java as you can use a variety of programming languages with WebDriver and Cucumber.

Key Points

Introduction to BDD

A background to BDD and its benefits. The process of BDD. An overview of the tools available, terminology.

Introduction to Gherkin

Feature Files, introduction to the Gherkin language, basic syntax

More Gherkin

Using the Background fixture, Parameters, Doc Strings, Examples and Data Tables, using Tags to organise execution, commenting

Installation of the Cucumber Framework

Cucumber Eclipse plugin, installing the Cucumber, Gherkin and other dependent libraries. Creating a project structure, creating a Feature, formatting and execution of Feature Files

Step Definitions & Code Binding

Creating our Test Classes, Using prototype step definitions, fixing errors for executing feature files, creating step definition Methods, expanding Methods with Parameters

Deconstructing Step Definitions and Regular Expressions

Step Definition syntax, using Regular Expressions

Extending the code

In-line Step Table Iterating, using multiple annotations for one Method, re-using Methods for more than one Scenario

Running the Cucumber Tests

Using Cucumber, creating a junit Runner Class, Using Tags, Results & Reporting

Integrating Cucumber into the POM

Using Cucumber & WebDriver under the Page Object Model. Using Base Classes & Inheritance, Command line execution

2

Days

The introductory course that takes you from beginner through to writing effective Feature Files and then Automating them using WebDriver

Recommended for anyone new to BDD and Cucumber