

BDD Cucumber & Ruby

3 Day Course

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

Designed for beginners of BDD and Cucumber, it takes the newcomer through all the basic techniques of writing Feature Files in Gherkin, to writing the associated Step Definitions and code in Cucumber & Capybara/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.

The course uses: Visual Studio Code or RubyMine, Cucumber-Ruby, Capybara, WebDriver Ruby & RSpec

Course Objectives

- understand the required installs and packages to use Cucumber
- gain a basic understanding of the Ruby programming language
- understand how to structure your automated Cucumber project
- gain a full understanding of how to write good Gherkin and Step Definitions and automate them
- Get proficient with using Locators to identify Web Elements

Course Pre-requisites

- None

Key Points

Installation of the Cucumber Framework

Installing VSCode or RubyMine, Ruby, Selenium WebDriver, Cucumber, Capybara, RSpec

Ruby Programming Primer

Variables, Loops, Conditional Statements, Arrays, Hashes, Methods, Classes and Modules

Introduction to WebDriver & Capybara

HTML overview, understand what Selenium WebDriver is and how Locators work. Learn how the Capybara framework sits on top of WebDriver, Capybara's Locator strategies & DSL

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

Step Definitions & Code Binding

Using prototype step definitions, creating step definition Methods, expanding Methods with Parameters, Step Definition syntax, using Regular Expressions

Tables & Scenario Outlines

In-line Step Table Iterating, Scenario Outline Data Handling

Hooks

Using Hooks in cucumber-Ruby (Before, After), Cucumber Timeouts

Execution & Reporting

Using Tags to filter Scenarios, Using Cucumber Command Line Interface, Results & Reporting, HTML reports

API Testing

Integrating HTTParty into the Cucumber framework, practical examples.

VS Code Tips (unless using RubyMine)

Cucumber Icon Packs, setting up GoTo Definitions Shortcut, Debugging scripts

3

Days

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

Recommended for anyone new to BDD and Cucumber with Ruby