

BDD with Cucumber

Overview

Cucumber is a tool based on Behavior Driven Development (BDD) framework which is used to write acceptance tests . It allows automation of functional validation in easily readable and understandable format (like plain English) to Business Analysts, Developers, Testers, etc.

The two-day Cucumber course shows how to write and maintain executable specification using the Gherkin feature file format, how to drive the implementation of the application and how to design and implement a test automation layer using selenium.

Intended audience

- Existing Selenium testers
- Developers
- Business Analyst

Prerequisites

- Understanding of Agile Methodology
- Knowledge of Java
- Knowledge of HTML
- Knowledge of selenium webdriver

Instructional method

This instructor-led course provides classroom lecture topics and the practical application of Cucumber through demonstrations, practices, and hands-on exercises.

Course length

2-full days instructor-led training

Course Outline:

Behavior driven development framework

- Introduction to Behavior driven development framework
- Understanding User Stories
- Crafting INVESTable User Stories

Cucumber

- Introduction of Cucumber
- What is Gherkin language and how it is used in BDD
- Writing features
- Preparing Features File having test scenarios
- Annotations - Given, When, Then, And, But, Before and After
- Cucumber Jars
- Maven Dependencies for Cucumber, Selenium Junit and TestNG
- Setup Cucumber project

Implementing Methods

- Mapping steps to methods
- Write step definitions to match Gherkin step
- Implementing with Selenium WebDriver
- Passing parameters in Step definition Functions
- Pretty, Tags and Glue

Execution and Report

- Writing Runner Class
- Execution from eclipse
- Generating Cucumber Reports
- Cucumber HTML and JSON Reports