Automating Tests with Cucumber

Built-in quality allows quicker delivery of business value. One of the key practices in realizing built-in quality is Acceptance Test-Driven Development (ATDD) / Behavior Driven Development (BDD). The triad (customer, tester, and developer) creates acceptance tests to provide a joint understanding of the requirements. Automating the acceptance tests with Cucumber gives rapid verification that the system is delivering that business value.

OBJECTIVES

This course shows how to automate tests using Cucumber. You will:

- Learn how to connect tests to production code using step-definitions
- Find how to avoid redundancy in tests using outlines and tables
- Discover different ways to organize tests
- Automate a set of tests for a story

INSTRUCTOR

Ken Pugh, author of *Lean-Agile Acceptance Test-Driven Development: Better Software Through Collaboration*

TARGET AUDIENCE

Developers who are going to be automating tests

OUTLINE

- Introduction
    - Flow and business rule tests
- Feature files
    - Scenarios
- Step definitions
    - Asserts
    - Regular expressions
    - Exercise
- Scenario outlines with exercise
- Tables with exercise
- Background with exercise
- Additional Cucumber syntax and features
    - Tags
    - Before and After
- Some proven practices
- Alternative ways to organize tests
- Full scale exercise

ATTENDEE MATERIALS

Workshop materials are provided at the start of the class

ROOM SETUP AND EQUIPMENT

Computer for every two students, preloaded with Cucumber and start-up exercise
Flip chart and whiteboard for the instructor
A projector with screen

PREREQUISITES

Java experience

COURSE LENGTH

1 day

MAXIMUM

24 students

PROVIDER

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