cucumber ltd

BDD and Cucumber Training Outline

BDD - Behaviour-Driven Development - is an approach that not only focuses on fast and maintainable automated tests, but also on collaboration techniques that help teams use the automated tests as both executable specifications (before coding) and documentation of the implemented system (after coding). Cucumber is a test automation tool that combines specifications, tests (scenarios) and documentation into a single source of truth for the software.

Teams that adopt tools like Cucumber on their own—especially those with a background in manual testing or other automation tools and approaches—tend not to achieve the results they hope for. They often end up with automated tests that run very slowly and are brittle and costly to maintain.

These teams fail to reap the *intended* benefits of BDD and Cucumber: Agreement about software behaviour between customers, programmers, business analysts, product owners, testers etc.

By bringing in outside expertise in BDD and Cucumber, your organisation is much more likely to produce expressive, maintainable Cucumber scenarios, and to adopt the BDD approach in a way that sticks. Cucumber Limited's BDD training and coaching sequence has helped many organizations like the BBC, Sky TV and Amazon adopt BDD successfully.

About our Training Program

As a minimum, we recommend a 3-day training course followed by 1-2 days of coaching. The training is very hands-on, and lots of fun.

The purpose of the coaching is to cement the learning from the course and to help the teams overcome the initial hurdles in adopting the new techniques and tools.

Training Day 1

The first day is designed for the largest audience. We involve the whole team (BAs, product owners, developers and testers) and teach the collaborative aspects of BDD and how it fits in with agile processes such as Scrum. There is no automation on this day, the focus is on process and how to break requirements down into concrete examples that can be used as a basis for automated tests.

- What is BDD and why should I care?
- Ubiquitous language
- Problems vs solutions
- Rules vs Examples
- The Three Amigos
- Cucumber Demo
- Writing expressive scenarios
- Who does what? - roles and responsibilities

Training Day 2

The second day is a solid introduction to test automation. Attendees will learn how to install and run Cucumber and how to write executable specifications with Gherkin - Cucumber's plain-text format for automated tests.

Non-technical people are welcome to stick around for the rest of the course, but from day two they may find things start to get beyond their comfort zone.

- Installing Cucumber and setting up your development environment
    - We can use the Ruby, JVM, JavaScript, .NET (SpecFlow) or PHP (Behat) flavour of Cucumber depending on the team's preference.
- Writing your first scenario
- Writing step definitions
- Finding a domain language
- Driving out code test-first
- Using parameters in step definitions
- Using the World to keep your test code clean
- Backgrounds, Scenario Outlines and other Gherkin tricks

We may also cover Selenium for testing web pages, and how it fits in with Cucumber.

Training Day 3

By the end of the second day, attendees should have a thorough understanding of the BDD process and the tools used to write and execute automated tests.

On the third day we help you automate tests for your own project. We can cover a wide range of automation techniques, such as Selenium WebDriver, REST APIs, domain models or thick clients.

Coaching Days 4-5

These more informal days give the team a chance to really get off and running using BDD on their own project. We can run some specification workshops (three amigos sessions) on some stories from your backlog, and we can carry on driving out the code to get your different kinds of applications under Cucumber's control.

About our Coaches

Our team of coaches are the same people who created Cucumber, the world's most popular BDD testing tool. Our coaches also have extensive experience in coaching teams to adopt agile processes and implement continuous delivery.

Our training is very hands-on, and an experienced instructor is an essential part of that experience. All of our coaches are world-renowned conference speakers, authors and creators of the open-source tools your team uses every day.

Pricing

Our prices are all-inclusive (time, travel and accommodation). All attendees will also get access to all Cucumber School videos (https://cucumber.pro/school.html) at no extra cost. Please contact us for a quote.

Get in touch

We're ready to help you make the most of your team's capabilities. Call us now on 1-844-414-4961 (US) or +44 20 8720 6842 (Europe) or write to sales@cucumber.pro.