



Behavior Driven Development (BDD) with Cucumber

Our **Behavior Driven Development with Cucumber** course combines intensive training and coaching to prepare teams for success in implementing software tests using Cucumber.

Studies suggest that as much as two-thirds of any custom business application's features are rarely or never used. BDD with Cucumber focuses teams on only those features that can be described with a concrete business example, driving out wasteful features and details. This savings can then be used to build high-value features better — and to build more of them faster.

Discover why Cucumber is an ideal tool to add significant value to your software development.

COURSE LENGTH

The course sequence is 2 days of training immediately followed by 2 days of coaching, and then two more 2-day live coaching visits over the next several months.

DATES & LOCATIONS

These private workshops are held on-site in your working environment. Scheduling is flexible based on availability.

COST

Tiered pricing and participant options are available.

303.766.0917

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TRAINING BENEFITS

After just the first coaching visit, our BDD clients experience a return on their investment, including:

- A backlog that focuses more on early and frequent delivery of value to customers.
- Better alignment of framework, infrastructure, and other technical work with customer value.
- Faster backlog grooming that get multiple roles talking about the right details at just the right time.
- Reduced waste in the backlog.
- Teams using BDD see a reduction in regression testing time and in regression defects.



YOUR TRAINER

Richard Lawrence is co-owner of Agile For All. He trains and coaches teams and organizations to become happier and more productive. He draws on a diverse background in software

development, engineering, anthropology, and political science. Richard is one of a handful of Certified Scrum Coaches and is a certified trainer of the accelerated learning method, Training from the Back of the Room. His book, **Behavior-Driven Development with Cucumber**, is due out from Addison-Wesley later this year.

CERTIFICATIONS

- Certified Scrum Coach (CSC)
- Certified Scrum Professional (CSP)
- Certified Scrum Product Owner (CSPO)
- Certified Scrum Master (CSM)
- Certified Training From the Back of the Room Trainer (CTFBRT)

SPECIALTIES

- Agile training and methodologies
- Scrum Alliance certified training
- Training from the Back of the Room method
- Behavior-Driven Development (BDD) with Cucumber

FACILITATED BY

Behavior Driven Development (BDD) with Cucumber

WHO SHOULD ATTEND

Behavior Driven Development with Cucumber is valuable for business teams who are adopting Behavior Driven Development (BDD), considering Cucumber as its acceptance test tool, or updating skills to include an increasingly popular practice and tool.

The course is designed for entire product development teams up to 24 participants. BDD is a whole team collaboration practice, so involving product people is really important.

- **Developers**
- **Testers**
- **Team Members**
- **Product Owners**
- **Project Managers** (1 day only)
- **Executives** (1 day only)
- **Stakeholders** (1 day only)
- **Operations and Support** (1 day only)

REQUIREMENTS

The course can be done with the automation content in Ruby, Java, or C#. Sometimes teams choose a different language for automation than the one their production code is written in. For example, it's common to drive web applications from Ruby, even if they're written in JavaScript and C#. Content to be determined in advance of your class.

For more information,

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TRAINING OBJECTIVES

Training Day 1

Day one is designed to have the widest participation: developers, testers, Product Owners, all types of managers and stakeholders. We cover the principles and mindset behind BDD and how it changes collaboration in your workplace culture. Following an overview of Cucumber, we focus heavily on building skills around specifying changes to system behavior in concrete examples using expressive language. To draw out these skills, we often spend time on prerequisites like writing and splitting good Minimum Marketable Features and User Stories.

Training Day 2

The next training day focuses on the automation side of Cucumber, taking Cucumber scenarios and writing step definitions to turn those scenarios into well-designed automated tests. This day usually includes just team members who can code.

Coaching Days 1 & 2

Over the next two consecutive coaching days, one or two people from each role (dev, test, PO) participate in walking one or more user stories through the whole BDD process. This hands-on methodology — using the team's real current work — closes the gaps between the new ideas and skills from the training by applying them in your unique environment. A core group of people now understand how to apply BDD along with a collection of reference examples for your own product.

Self-Growth Phase

In between on-site coaching visits, teams typically operate with a “slow lane” approach, choosing one or two stories each sprint that must fully use BDD. This practice builds skills and generates new questions and issues. Trainer support is available by phone and email if the team gets stuck.

Coaching Days 3 & 4

Within 6-8 weeks, your Agile for All trainer returns for another 2-day coaching session. Scenarios and step definitions completed in the interim are reviewed and refactored to improve expressiveness, speed and maintainability. Your trainer addresses issues or questions (often around things like data setup and teardown) as well as the team processing another real world user story or two through the full BDD process.

Coaching Days 5 & 6

At the end of the second coaching session, we mutually determine how to best achieve your business objectives through the remaining 2 coaching days. Options include scheduling another on-site 2-day visit or setting up a sequence of remote coaching sessions over time.