olsen software ltd

📞 +44 7989 401397

✉ info@olsensoft.com

Behaviour-Driven Development   (3 days)

Course overview

This course explains what behaviour-driven design is all about, describes why it's a beneficial approach to application specification and development, and leads you through the process of how to do BDD in practice.

What you'll learn

- What is BDD
- Defining requirements
- Feature analysis
- Automation, management, and reporting
- Testable architecture

Prerequisites

- Software development roles catered for: product owners, architects, functional managers, test managers, developers

Course details

- Introduction to BDD: BDD vs TDD; BDD and requirements analysis; Key principles and features of BDD; Benefits of BDD

- Defining Requirements: Defining a vision statement; Specifying business goals; Identifying stakeholders; Identifying capabilities

- Specifying Features: Overview of features; Features vs. user stories; Illustrating features with examples

- Creating Executable Scenarios: How to write executable scenarios; Using tables; Do's and dont's; Organizing features

- Automating Scenarios: Automation options; Overview of Cucumber; Other tool possibilities

- Automating Acceptance Tests: What makes a good acceptance test; Setting up a process for automating acceptance tests; Defining business rules, business flow, and the technical layer

- Acceptance Tests for UI Requirements: Pros and cons of UI testing; Using Selenium WebDriver; Page objects

- Acceptance Tests for Non-UI Requirements: Controllers, business logic, and services; Non-functional requirements

- Project Management and Reporting: Feature readiness and coverage; The importance of living documentation; Using Atlassian Confluence, Jira and Xray for Jira

- **Managing the Build Process:** Continuous integration; Continuous delivery; Deployment
- **Testable Architecture:** Key concepts of testable architecture; Benefits of testable architecture; Testable Architecture methodology; Examples