

TDD & BDD

Lesson 00



Lesson Objectives

■ Course Goals

- Learning concepts BDD
- Writing features using Gherkins language
- Generating the step using Cucumber
- Using Selenium for automation testing
- Integrating Cucumber with Selenium

■ Course Non-Goals

- This course does not cover other than above mentioned course agenda





Pre-requisites

- Testing Concepts
- Java Programming Language
- HTML & XML
- Selenium

Intended Audience



- Developers
- Test Engineers





Day Wise Schedule

Day 1

- Lesson1 : Introduction to Test Driven Development
- Lesson2 : Introduction to BDD

Day 2

- Lesson3 : Gherkin Language Basics
- Lesson4 : Gherkin Language – Features, Scenario, Scenario Outline

Day 3

- Lesson5 : Cucumber – Introduction
- Lesson6 : Cucumber - Tags, Hooks and Background



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- Lesson 1: Introduction to Test Driven Development & Behaviour Driven Development
 - 1.1 What is TDD?
 - 1.2 TDD and traditional testing
 - 1.3 TDD and V-model
 - 1.4 Why TDD?
 - 1.5 TDD team overview
 - 1.6 Myths and misconceptions
 - 1.7 Tools
 - 1.8 Example of TDD



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- Lesson2 : Introduction to BDD
 - What is BDD?
 - Origin of BDD
 - Why BDD?
 - Wrong Perceptions
 - Features of BDD
 - BDD vs Traditional Automation
 - BDD Framework
 - BDD vs TDD
 - BDD Implementation
 - BDD Tools



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- Lesson3 : Gherkin Language Basics
 - Introduction to Gherkin Language
 - Generating Behavior test cases
 - Running test cases
 - Creating tags
 - Categorizing tests based on tags



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- Lesson4 : Gherkin Language – Features, Scenario, Scenario Outline
 - Feature
 - Background
 - Scenario
 - Given Keyword
 - When Keyword
 - Then Keyword
 - And Keyword
 - But Keyword
 - * Keyword
 - Scenario Outline



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- Lesson5 : Cucumber – Introduction
 - Cucumber Framework
 - How it Works
 - Advantages of Cucumber
 - Feature File
 - Steps Definitions
 - Cucumber Options
 - Scenario Outline
 - Data Tables in Cucumber

- Lesson6 : Cucumber - Tags, Hooks and Background
 - Cucumber Tags
 - Cucumber Hooks
 - Background in Cucumber



Next Step Courses (if applicable)

- Tools for Test Driven Development



Other Parallel Technology Areas

- BDD with Spectflow for .NET technology