

Acceptance Testing with ReqnRoll

Audience Course Acceptance Testing with RegnRoll

The course Acceptance Testing with ReqnRoll is intended for C# developers, Test Automation Engineers and Quality Engineers who are involved in Behavior-Driven Development (BDD).

Prerequisites Course Acceptance Testing with ReqnRoll

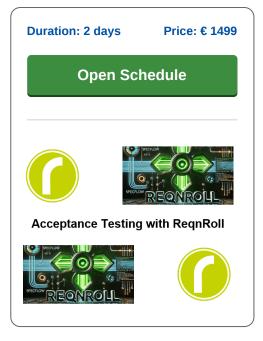
Knowledge of the fundamentals of C# and the basic concepts of Behavior Driven Development.

Realization Training Acceptance Testing with ReqnRoll

Demo sessions by the trainer, practical exercises and discussion of practical cases.

Certificate Acceptance Testing with RegnRoll

After successfully completing the course, participants will receive a certificate of participation in Acceptance Testing with ReqnRoll.



Content Course Acceptance Testing with ReqnRoll

In the course Acceptance Testing with ReqnRoll, participants learn to use the open source ReqnRoll BDD framework to write and execute acceptance tests in a C# and .NET environment. ReqnRoll supports the latest versions of .NET and is the successor to the SpecFlow framework.

ReanRoll Intro

This module introduces ReqnRoll as a modern replacement for SpecFlow. It covers Acceptance Test Driven Development (ATDD), Visual Studio integration, installation, configuration, and core concepts such as user stories, scenarios, and features.

Gherkin Keywords

Participants learn about Gherkin syntax and keywords like Feature, Background, Scenario, Given, When, Then, And, But, and Scenario Outlines. Writing clean and understandable feature files is emphasized.

Step Definitions

This module explains how to map Gherkin steps to automation code. Topics include step definition files, templates, parameterizing with regular expressions, using the features and format options, and sharing data across steps.

Data Driven Testing

Learners explore how to parameterize tests using Scenario Outlines and Data Tables. Topics include raw methods, maps in tables, implementing data-driven steps, and debugging failed scenarios.

RegnRoll Hooks

This module introduces hooks such as Before, After, Around, and Step hooks (BeforeStep and AfterStep). Tagged hooks and lambdastyle syntax for defining hooks are demonstrated.

RegnRoll Tags

Participants learn to use tags for grouping scenarios, scoping hooks, ignoring tests, and documenting features. Tag expressions and tag inheritance are also covered.

Advanced Topics

Advanced content includes migrating from SpecFlow, CI/CD pipeline integration, interpreting test reports, debugging tests, and optimizing performance.

Optional: NUnit

This optional module introduces NUnit integration with ReqnRoll. Topics include assert statements, test fixtures, annotations, test suites, parallel execution, and parameterized tests.

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Modules Course Acceptance Testing with ReqnRoll

Module 1: Reqnroll Intro	Module 2: Gherkin Keywords	Module 3: Step Definitions
ReqnRoll Intro	What is Gherkin?	Mapping Gherkin Steps
Acceptance Test Driven Development	Gherkin Syntax	Step Definitions
Evolution From Specflow	Feature Files	Step Definition File
Cucumber for .NET	Gherkin Keywords	Step Template
Visual Studio Integration	Feature Keyword	Automation Script
Installing ReqnRoll	Background Keyword	Step Implementation
ReqnRoll Configuration	Scenario Keyword	Parameterizing Steps
Mocking and Stubbing	Given and When Keyword	Using Regular Expressions
User Stories	Then and And Keyword	features Option
Scenarios	But Keyword	Sharing Data
Features	Scenario Outlines	format Option
Module 4: Data Driven Testing	Module 5: ReqnRoll Hooks	Module 6: ReqnRoll Tags
Parameterization	What are Hooks?	What are Tags?
Scenario Outline	Scenario Hooks	Scenario Subset
Executing Examples	Before Hook	Scoping Hooks
Data Tables	After Hook	Tag Placement
Raw Methods	Lambda Style	Tag Inheritance
Maps in Data Tables	Around Hook	Tag Expressions
Test Step Implementation	Step Hooks	Run Scenario Subset
Matching Steps	BeforeStep and AfterStep	Ignoring Scenarios
Failed Steps	Tagged Hooks	Tags for Documentation
Module 7: Advanced Topics	Optional Module 8: NUnit	
Migration from SpecFlow	NUnit Integration	
Migration challenges	Assert Statements	
Continuous Integration	Fixtures	
Reqnroll in CI/CD pipeline	Annotations	
Interpreting Test Reports	Test Suites	
Debugging Reqnroll Tests	Parallel Execution	
Performance Optimization	Parameterized Tests	