Test Case Management Using Visual Studio Test Professional 2010

Course Summary

Description

This one-day, instructor-led course provides students with the knowledge and skills to effectively create and manage test cases as well as define and run manual tests using Microsoft Test Manager and Visual Studio Team Foundation Server 2010.

Topics

- Test Case Management Using Team Foundation Server
- Test Planning Using Microsoft Test Manager
- Running Tests From Microsoft Test Manager

Audience

This course is intended for developers, testers, test managers, and other QA professionals who are involved in defining, assuring and increasing the overall quality of a software application.

Prerequisites

Before attending this course, students should have experience in creating, managing, and executing tests cases for a software application. Additionally, students should:

- Have familiarity with their organization's software development process
- Have experience reading and understanding business requirements
- Be able to understand and define acceptance criteria
- Have experience defining and/or running manual tests

Duration

One day

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Course Outline

I. Test Case Management Using Team Foundation Server

This module introduces Team Foundation Server and its support for test case management.

A. Application Lifecycle Management
B. Test Case Management
C. Team projects
D. Process templates
E. Work item types and categories
F. Test Case work item type
G. Queries and reports

Lab

- Setup the learning environment
- Setup the testing environment
- Configure an automated build
- Build and deploy the application
- Create product backlog

II. Test Planning Using Microsoft Test Manager

This module introduces Microsoft Test Manager and how to use it to plan your testing effort.

A. Microsoft Test Manager
B. Test plans
C. Test suites
D. Test settings, environments, and configurations
E. Managing test cases
F. Using shared steps

Lab

- Create a test plan
- Create test suites
- Create and manage test cases
- Create a manual test
- Define shared steps
- Use Test Scribe and Test Case Migrator Plus (optional)

III. Running Tests From Microsoft Test Manager

This module demonstrates how you can configure and run manual as well as automated tests from within Microsoft Test Manager.

A. Running tests
B. Recording and playing-back tests
C. Recording video
D. Creating and verifying bugs
E. Exploratory testing
F. Coded UI tests

Lab

- Run a manual test
- Associate a bug to a failing test
- Playback a recorded test
- Capture video of the desktop session
- Perform exploratory testing
- Create an exploratory bug
- Create and run a coded UI test

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