Home > Real-World Software Testing with Microsoft Visual Studio® 2017

Real-World Software Testing with Microsoft Visual Studio® 2017

Gain real world software testing techniques and technical skills using the latest Microsoft Test Manager 2017®, Visual Studio 2017®, and Team Foundation Server 2017® tools. This hands-on course covers manual testing features such as test case management, execution and reporting, and how Visual Studio® makes these processes powerful and organized. You will also learn about the newly released Visual Studio® Web Test Manager and be introduced to automated testing with Visual Studio®.

- Explore the testing components of Visual Studio® Test Professional 2017 and see how you can use these to improve software quality
- Increase productivity by planning, executing, and tracking tests using Microsoft Test Manager 2017®
- Learn how rich data collectors enhance bug reproducibility
- Support agile testing practices with features such as exploratory testing
- Increase test coverage with automated testing using Microsoft's Visual Studio Coded UI
- Collaborate seamlessly with other team members using Team Foundation Server 2017®
- Take advantage of the latest Visual Studio 2017 virtualization integration

Enable High-Quality Software through Visual Studio Testing Tools
This course provides students with real-world software testing techniques and technical skills using the latest Microsoft Test Manager 2017, Visual Studio 2017, and Team Foundation Server 2017 tools. We will cover manual testing features such as test case management, execution and reporting, and how Visual Studio makes these processes powerful and organized. You will learn about the newly released Visual Studio Web Test Manager and be introduced to automated testing with Visual Studio. Discover how to effectively integrate QA with Team Foundation Server's requirements, bug tracking, and work and build management capabilities. Increase automation effectiveness using virtual lab

environments.

Hands-on Experience with Visual Studio Testing Tools

This course provides hands-on experience with the detailed Microsoft testing functions and new features including: Microsoft Test Manager, Visual Studio Web Test Manager, exploratory testing, automated tests, and automated builds. Although the labs will be performed using Visual Studio 2017, most labs are also applicable to Visual Studio 2015and 2013. Please refer to the outline for the hands-on lab details.

Who Should Attend

This course is intended for software testers who actively participate in test planning, test case development, test execution, test automation, and test environment management.

Laptop Required

Attendees are also required to bring their own laptop to be able to complete the exercises.

Course Outline:

Introduction to Microsoft Test Manager
Learn about setting up and managing tests using Microsoft Test Manager
- Test plans
- Test suites
- Test cases
- Parameters
- Shared steps
- Test configurations
- Test settings

Manual Testing Features with Microsoft Test Manager 2017
Run manual tests
Enable manual test data collection
Fast forward manual tests
Exploratory testing
File bugs found during testing
Verify bugs

Newly Released Web Test Manager 2017 Features
Create test plan
Web Test Runner

Software Quality Practices with Team Foundation Server 2017
Overview of TFS
Requirement to test cases traceability
Acceptance-driven testing
Track bugs throughout lifecycle
Create queries to track work
Understanding TFS builds
MTM reporting
TFS reports

Introduction to Automated Testing Features of Visual Studio 2017
Convert manual tests to coded UI automated tests
Create coded UI automated tests
Record tests using coded UI Test Builder
Use coded UI map editor
Create automated testing verification
Data-driven automated tests
Overview of web tests
Overview of load tests

Overview of Automation with Virtual Lab Environments

Use MTM Test Runner from web
Test case bulk entry and edit
Customize and filter views
Email and print

Virtual lab environment configuration
Connecting to virtual lab environments
Running automated tests with virtual lab environments

Class Schedule:

Sign-In/Registration 7:30 - 8:30 a.m.
Morning Session 8:30 a.m. - 12:00 p.m.
Lunch 12:00 - 1:00 p.m.
Afternoon Session 1:00 - 5:00 p.m.
Times represent the typical daily schedule. Please confirm your schedule at registration.

Price:

$1995

Course Fee Includes:

- Tuition
- Course notebook
- Continental breakfasts and refreshment breaks
- Lunches
- Letter of completion