



Software Testing with Visual Studio 2012

T-MTM2012-VS2012| 1 Day

INTRODUCTION

This one-day, instructor-led course provides students with the knowledge and skills to test applications using Microsoft Test Manager 2012 and Microsoft Visual Studio 2012 Ultimate or Premium.

AUDIENCE

This course is intended for experienced testers with a background in either software development or system administration. Team leaders, lead testers, and other de-facto Test Managers are also encouraged to take this course. All participants will understand the reports generated by TFS relating to quality and be able to report on application quality on the Cube.

- This course will help you prepare for the Microsoft 70-497 certification exam
- This course does not cover any developer practices

PREREQUISITES

Before attending this course, students should have:

- A working knowledge of Windows Server 2003, 2008, or 2008R2
- An understanding of Windows-based security, networking, and virtualization
- Experience managing SQL Server 2005 or 2008
- Familiarity with Visual Studio 2005, 2008, 2010 or 2012
- Familiarity with your organization's software development process
- Familiarity with your organization's software testing strategies
- Be able to read and understand C# .NET code (all source code will be provided)

To help prepare for this course, students are encouraged to download and review the following:

- [Visual Studio 2010 Quick Reference Guidance \(CodePlex\)](#)



COURSE OUTLINE

MODULE 1: INTRODUCTION TO TEST PROFESSIONAL 2012 (MTM2012)

This module introduces Microsoft Visual Studio Test Professional 2012, its features and components, and how it can manage software testing team's application lifecycle.

Lessons

- Introduction to Microsoft Visual Studio Test Professional 2012 (MTM2012)
- MTM 2012 features and components
 - End to End discussion of the application lifecycle using Visual Studio, Team Foundation Server and Microsoft Test Manager
 - Features of the 2012 release with a focus on how these apply to testers including Work Item Tracking and an Introduction to Automated Builds

Lab

- Setup the learning environment
- Connect to MTM2012 from TFS2012 and select the related Team Project.
- Review relevant guidance documentation

MODULE 2: Working with TEST PROFESSIONAL 2012 (MTM2012)

This module describes how you can use Microsoft Visual Studio Test Professional 2012 to create, manage and execute tests, test plans and test cases.

Lessons

- Creating and Managing Test Plans
- Creating and Managing Test Cases
- Executing Manual Test
- Filling Bugs

Lab

- Creating Test Plans, Test Suites and test Cases
- Creating Test Configurations
- Executing the created Tests Cases based on Test Plans for testing scenarios.



MODULE 3: Exploratory Testing and Test Automation with TEST PROFESSIONAL 2012 (MTM2012)

This module describes how you can use Microsoft Visual Studio Test Professional 2012 to make exploratory tests and to automate the Manual Tests.

Lessons

- Exploratory Testing
- Verifying bugs
- Automating manual tests
- Executing manual tests

Lab

- Creating Exploratory tests
- Creating bugs from MTM and Analyze bugs information
- Executing automated tests and evaluate the test results
- Define the traceability between WITs and Bugs based on the executed tests

Course Designer

This course was designed by [Hassan Fadili](#) of [FadiliCT Consultancy](#). Hassan is a Visual Studio ALM MVP, as well as an experienced developer, architect, consultant and trainer. For more information, visit <http://www.fadilict-consultancy.nl> & Blog at: <http://hassanfad001.blogspot.com>