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Using Test Manager

(3 days)

Course overview

This course describes how to use Microsoft Test Manager to plan, create, and run test cases. You will learn how to create and run unit tests, UI automated tests, load tests and Web performance tests, generic tests, and ordered tests.

What you'll learn

- Understanding Microsoft Test Manager capabilities
- Unit testing
- Web testing
- Load testing
- Reporting
- Additional techniques

Prerequisites

- Development experience in .NET

Course details

- **Getting Started with Microsoft Test Manager:** Types of testing; Test management in Visual Studio; Microsoft Test Manager
- **Test Manager Features:** Creating a test plan; Test Suite and Test Suite types; Running manual tests; Creating shared steps; Automated tests
- **Unit Testing:** Creating unit tests; Using assert statements; Testing ASP.NET Web pages; Testing web services; Code coverage
- **Web Performance Testing:** Creating a Web performance test; Recording a test; Editing tests; Running and debugging a tests
- **Additional Web Testing Techniques:** Parameterizing tests; Defining a code-based test; Running a code-based test; Custom rules
- **Load Testing:** Overview of load testing; Defining a load test; Editing load tests; Running a load test; Analysing the results
- **Ordered and Generic Tests:** Creating and executing an ordered test; Creating an executing a generic test
- **Managing and Configuring Tests:** Managing tests using test lists; Configuring tests
- **Using Command-Line Utilities:** Using MSTest; Running a test from the command line; Publishing tests results
- **Reporting:** Using Team Foundation Server reports for testing; SQL Server Business Intelligence projects

- [Using Test and Lab Center:](#) Connecting to Team Project; Using Testing Center; Using Lab Center