



## **Visual Studio Team System for Software Testers**

This 2-day instructor led course provides students with a deep understanding of the test management features of Visual Studio Team System.

**Audience:** This class is intended for those individuals responsible for the QA & Testing roles in the Software Development Life Cycle.

# Team System

Notion Solutions, Inc is a leading provider of consulting, training and application development for Microsoft's Visual Studio Team System Tools.

### **Course Description:**

The course will cover the various testing related tasks including: defect reporting, defect tracking, manual test creation, as well as execution of manual, web, load and unit tests. The course will also cover reporting and the various quality reports used to analyze the status of projects.

The testing portions of this course are taught using a shared Team Foundation Server. This allows students to get acquainted with the new collaborative features of Team System. This course is built using Team Foundation Server 2008 and Visual Studio 2008 Team Suite.

### **At Course Completion:**

Students will understand how to create and manage a variety of tests utilizing the testing tools in Visual Studio Team System. Students will also learn how to analyze data from build reports.

#### **Team System Overview**

Development challenges  
Features  
Role-based approach  
Packaging  
[LAB](#)

#### **Introducing Visual Studio 2005**

Brief History/Overview  
Introducing the user interface  
Developing solutions  
[LAB](#)

#### **Team Projects and Process**

Overview of Team Projects  
How process is integrated with Visual Studio Team System  
Overview of MSF for Agile Software Development  
Overview of MSF for CMMI Process Improvement

#### **Project Mgmt & Work Items**

Overview of the work item tracking system  
Working with work items  
Creating custom work item queries  
Work item integration with Microsoft Project  
Work item integration with Microsoft Excel  
[LAB](#)

#### **Version Control**

Architecture overview  
Integrated check-in  
Parallel development  
Atomic check-in  
Remote development  
Check-in notes and notification  
Check-in policy  
[LAB](#)

#### **Unit Tests**

Test driven development  
Unit testing  
Code coverage  
[LAB](#)

#### **Quality Assurance & Testing**

Overview of Testing  
Test Manager  
Writing manual tests  
Executing manual tests  
Reporting defects  
[LAB](#)

#### **Web Testing**

Creating and executing web application tests  
Using extraction and validation rules  
Creating & executing web services tests  
Test Run Configurations  
Data Driven Web Tests  
[LAB](#)

#### **Load Testing**

Creating & executing web application load tests  
Using the load agent  
Analyzing results  
Creating & executing web service tests  
[LAB](#)

#### **Build Process**

Team Build Overview  
Analyzing test results  
Working with build reports

#### **Team System Futures**

Overview of testing features coming in Visual Studio Team System 2010