



CTREC HILTON
IT ACADEMY

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Class Code: 2541
Number of Days: 3
Format: Instructor-Led

Core Data Access with Microsoft Visual Studio 2005

Course Description: This three-day instructor-led workshop provides students with the knowledge and skills to develop data-access applications by using the Microsoft .NET Framework and Microsoft Visual Studio 2005. The workshop describes how to access and update data in a database by using ADO.NET. The workshop also describes how to create, read, and write XML data.

Target Audience: This workshop is intended for corporate and Independent Software Vendor (ISV) application developers who have a desire to learn more about specific echnology areas in distributed application development.

Prerequisites: Before attending this course, the student must have

- Be able to manage a solution environment using the Visual Studio 2005 integrated development environment IDE and tools
- Understand the .NET Framework 2.0 and the Common Language Runtime
- Be able to program an application using a .NET Framework 2.0 compliant language
- Know how to make assemblies available to other applications
- Have a good understanding of basic relational database concepts
- Be able to use basic SQL commands
- Have a good understanding of XML including XML declaration, elements, attributes, and namespaces
- Be able to explain XML schema concepts

Delivery Method: Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

At Course Completion:

After completing this course, students will be able to:

- Connect to databases and read data
- Query and update databases by using commands
- Perform transactional operations
- Perform disconnected operations programmatically
- Perform disconnected operations by using Visual Studio 2005 wizards
- Perform XML operations on disconnected data
- Read and write XML data
- Process XML data by using the Document Object Model DOM

