

Microsoft Certification Courses in Development

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Delivering training based on Microsoft Official Course Curriculum.

MCSA (Microsoft Certified Software Developer)

Exam 70-305 : Developing & Implementing Web applications with Microsoft Visual Basic.Net and Microsoft Visual Studio.NET

Contents:

■ Creating User Services

- Create ASP.NET pages
- Add Web server controls, HTML server controls, user controls, and HTML code to ASP.NET pages
- Implement navigation for the user interface
- Validate user input
- Implement error handling in the user interface
- Implement online user assistance
- Incorporate existing code into ASP.NET pages
- Display and update data
- Instantiate and invoke Web services or components
- Implement globalization
- Handle events
- Implement accessibility features
- Use and edit intrinsic objects. Intrinsic objects include response, request, session, server, and application.

■ Creating and Managing Components and .NET Assemblies

- Create and modify a .NET assembly
- Create Web custom controls and Web user controls

■ Consuming and Manipulating Data

- Access and manipulate data from a Microsoft SQL Server™ database by creating and using ad hoc queries and stored procedures
- Access and manipulate data from a data store. Data stores include relational databases, XML documents, and flat files. Methods include XML techniques and ADO.NET
- Handle data errors

■ Testing and Debugging

- Create a unit test plan
- Implement tracing
- Debug, rework, and resolve defects in code

■ Deploying a Web Application

- Plan the deployment of a Web application
- Create a setup program that installs a Web application and allows for the application to be uninstalled
- Deploy a Web application
- Add assemblies to the global assembly cache

■ Maintaining and Supporting a Web Application

- Optimize the performance of a Web application
- Diagnose and resolve errors and issues

■ Configuring and Securing a Web Application

- Configuring and Securing a Web Application
- Configure security for a Web application

Exam 70-306 : Developing and Implementing Windows-based Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET

■ Creating User Services

- Create a Windows Form by using the Windows Forms Designer
- Add controls to a Windows Form
- Implement navigation for the user interface (UI)
- Validate user input
- Implement error handling in the UI
- Implement online user assistance
- Incorporate existing code into a Microsoft Windows-based application
- Display and update data
- Instantiate and invoke a Web service or component
- Implement globalization
- Create, implement, and handle events
- Implement print capability
- Implement accessibility features

■ Creating and Managing Components and .NET Assemblies

- Create and modify a .NET assembly
- Create a Windows control

■ Consuming and Manipulating Data/Testing and Debugging

- Access and manipulate data from a Microsoft SQL Server database by creating and using ad hoc queries and stored procedures
- Access and manipulate data from a data store. Data stores include relational databases, XML documents, and flat files. Methods include XML techniques and ADO .NET
- Handle data errors
- Create a unit test plan
- Implement tracing
- Debug, rework, and resolve defects in code

■ Deploying a Windows-based Application/Maintaining and Supporting a Windows-based Application

- Plan the deployment of a Windows-based application
- Deploy a Windows-based application
- Add assemblies to the Global Assembly Cache
- Verify security policies for a deployed application
- Optimize the performance of a Windows-based application
- Diagnose and resolve errors and issues

■ Configuring and Securing a Windows-based Application

- Configure a Windows-based application
- Configure security for a Windows-based application
- Configure authorization

Exam 70-310 : Developing XML Web Services and Server Components with Microsoft Visual Basic .NET and the Microsoft .NET Framework

- **Creating & Managing Windows Services, Serviced Components, .NET Remoting Objects & XML Web Services**
 - Create and manipulate a Windows service
 - Create and consume a serviced component
 - Create and consume a .NET Remoting object
 - Create and consume an XML Web service
- **Consuming and Manipulating Data**
 - Create and manipulate DataSets
 - Access and manipulate XML data
- **Testing and Debugging**
 - Create a unit test plan
 - Implement tracing
 - Use interactive debugging
 - Log test results
- **Deploying Windows Services, Serviced Components, .NET Remoting Objects, and XML Web Services**
 - Create and manipulate a Windows service
 - Create and consume a serviced component
 - Create and consume a .NET Remoting object
 - Create and consume an XML Web service

Exam 70-300 : Analyzing Requirements and Defining Microsoft .NET Solution Architectures

- **Envisioning the Solution**
 - Develop a solution concept
 - Analyze the feasibility of the solution
 - Identify key project risks
- **Gathering and Analyzing Business Requirements**
 - Gather and analyze business, User operational requirements
 - Gather & analyze requirements for h/w, s/w, & n/w infrastructure
- **Developing Specifications/Creating the Conceptual Design**
- **Creating the Logical Design**
 - Create the logical design for the solution
 - Create the logical data model
 - Validate the proposed logical design
 - Create the physical design for the solution, deployment, maintenance & the data model
 - Validate the physical design
- **Creating Standards and Processes**

Exam 70-229 : Designing and Implementing Databases with Microsoft SQL Server 2000 Enterprise Edition

- **Developing a Logical Data Model**
- **Implementing the Physical Database**
- **Retrieving and Modifying Data**
- **Programming Business Logic**
- **Tuning and Optimizing Data Access**
 - Analyze the query execution plan. Considerations include query processor operations and steps.
- **Designing a Database Security Plan**
 - Control data access by using stored procedures, triggers, user-defined functions, and views
 - Create and manage application roles

Training Partners:



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