# Microsoft Developing ASP.NET MVC 4

## Structured technical training and certification preparation

A practical, student-friendly outline covering introduction to Web Development, c Â- Sharp, hTML and CSS Comprehensive Review, intro to SQL Server, and java Scr...

**MODULES**
**9**

**LESSONS**
**92**

**FORMAT**
Self-paced

# Module Breakdown

| MODULE 1 | MODULE 2 |
|---|---|
| **Introduction to Web Development** | **C Â- Sharp** |
| Course And Instructor Introduction | Intro To C Sharp |
| ASP.Net Using Visual Studio | Functions In C Sharp |
| ASP.Net Tools In Visual Studio | If Statements In C Sharp |
| ASP.Net Data Validation-Part1 | Static Variables In C Sharp |
| ASP.Net Data Validation-Part2 | Loops In C Sharp |
| ASP.Net Web User Control | Debugging In C Sharp |
| ASP.Net Creating Web Service | Introduction To Windows Forms In C Sharp |
| ASP.Net Web Service Explained | More Windows Forms In C Sharp |
| Classes Defined | Windows Forms Controls In C Sharp |
| | Object Oriented Programming In C Sharp |
| | Constructors And Destructors In C Sharp |
| | Members Of A Class In C Sharp |
| | Class Inheritance In C Sharp |
| | Abstract Classes In C Sharp |
| | Enumerations In C Sharp |
| | Exception Handling In C Sharp |
| | Creating XML Documents In C Sharp |
| | Putting It All Together In A File In C Sharp |

# Module Breakdown (continued)

## MODULE 3

### HTML and CSS Comprehensive Review

Intro To HTML
HTML Markup
Lists In HTML
Links In HTML
Tables In HTML
Forms In HTML
Intro To CSS
CSS Color Properties

## MODULE 4

### Intro to SQL Server

Databases Defined
Tables Defined
Basic Query Optimization
Defining And Using Store Procedures
Creating Stored Procedure
Executing Store Procedure From C Sharp
Executing Store Procedure From ASP.Net
Changing ASP.Net Interface To Retrieve Data-Part1
Changing ASP.Net Interface To Retrieve Data-Part2

## MODULE 5

### Java Script A Comprehensive Introduction

Intro To JavaScript
Using JavaScript For Data Validation
Using JavaScript To Manipulate Documents
Variables In JavaScript
If Statements In JavaScript
Logical Operators In JavaScript
If Else Statements In JavaScript
Switch Statements In JavaScript
For Loops In JavaScript
For And While Loops In JavaScript

## MODULE 6

### Object Based Java Script

Working With String Object
More On String Object
The Math Object
Creating Your Own Objects
String Manipulation In JavaScript
Programming The Browser In JavaScript
Browser Versions In JavaScript
Working With Forms In JavaScript

## MODULE 7

### Model View and Controller

MVC Mindset
MVC Defined
Create An MVC Project
MVC Project Initial Walkthrough
MVC Building Routes
MVC Approach
Controllers
Controllers From Scratch
MVC Routing
MVC Routing Constraints
Routing Constraint Attributes
MVC Attribute Routing

## MODULE 8

### A Comprehensive Introduction to jQuery

What Is jQuery
jQuery Effects
Get And Set Elements In jQuery
Add And Remove Elements In jQuery
CSS In jQuery
Ancestors And Descendants

# Module Breakdown (continued)

**MODULE 9**

## Course Review

MVC Best Practices
Testing The Application
Writing For Production
Review Web Development
Review C Sharp
Review HTML And CSS
Review SQL Server
Review JavaScript
Review Software Development Lifecycle
Review Design Patterns
Review jQuery
Conclusion