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Microsoft 70-486: Developing ASP.NET MVC Web Applications

Module 1: Introduction to Web Development

Course And Instructor Introduction
ASP.Net Using Visual Studio
ASP.Net Tools In Visual Studio
ASP.Net Data Validation-Part1
ASP.Net Data Validation-Part2
ASP.Net Web User Control
ASP.Net Creating Web Service
ASP.Net Web Service Explained
Classes Defined

Module 2: C Â- Sharp

Intro To C Sharp
Functions In C Sharp
If Statements In C Sharp
Static Variables In C Sharp
Loops In C Sharp
Debugging In C Sharp
Introduction To Windows Forms In C Sharp
More Windows Forms In C Sharp
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 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 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