



# Niagara Computer Training

## COURSE OUTLINE

### **ASP.NET MVC Programming (.NET Framework)**

#### Exploring ASP.NET MVC

- Microsoft Web Technologies
- ASP.NET 4.5
- ASP.NET MVC 4

#### Designing ASP.NET MVC Web Applications

- Planning in the project Design Phase
- Designing Models, Controllers and Views

#### Developing ASP.NET MVC Models

- Creating MVC Models
- Working with Data

#### Developing ASP.NET MVC Controllers

- Creating Controllers and Actions
- Creating and Using Action Filters

#### Developing ASP.NET MVC Views

- Creating Views Using Razor
- Using HTML Helpers
- Reusing Code in Views
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#### Structuring ASP.Net MVC Web Applications

- Configuring Routes
- Navigation Structure

#### Applying Styles in ASP.NET MVC

- Using Template Views
- Applying CSS to MVC Application
- Creating an Adaptive User Interface



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## COURSE OUTLINE

### Building Responsive Pages in ASP.NET

- Using AJAX and Partial Page Updates
- Caching Strategy

### Using JavaScript and jQuery

- Running JavaScript
- Using jQuery

### Controlling Access

- Authentication and Authorization
- Roles and Membership

### Building Resilient ASP.NET MVC Applications

- Developing Secure Sites
- State Management

### Web API

- Developing Web API
- Calling a Web API

### Handling Requests

- Creating and Using HTTP Modules
- Creating and Using HTTP Handlers

### Deploying ASP.NET MVC Applications