



ASP .NET MVC and AngularJS

- **Introduction**

- Models, Views, Controllers
- Database Migrations
- Showing Data
- Listing data
- Creating data
- Authorization
- About Security
- Deploying To The Cloud

- **Razor**

- Razor's Goals
- Creating A Simple View
- Intermingling Code and Markup
- Models and ViewData
- HTML Helpers
- Partial Views
- Layout Views
- Startup Code
- Configuration

- **Controllers**

- Global Action Filters
- Caching Child Actions
- The ViewBag
- New Action Results
- Request Validation

- **NuGet Package Management**

- Introduction Package Management
- Where Do They Come From?
- Where Do They Go?
- Package Dependencies
- Bootstrapping
- Powershell
- Custom Packages



- **Dependency Resolution in ASP.NET MVC**

- Dependency Resolution
- Benefits
- IDependencyResolver
- Controller Injection
- View Injection
- Activators
- Filter Extensibility
- Model Related Extensibility

- **Web Optimization with ASP.NET MVC**

- The Scenario
- Installing
- Configuring Bundles
- Virtual Paths and Relative References
- Rendering Bundles

- **ASP.NET WebAPI**

- Web Services
- Getting started
- Routing
- Content Negotiation
- Parameter Binding
- Implementing GET
- Showing Data
- Implementing PUT
- Implementing POST
- Implementing DELETE
- XML Client

Angular JS

- **Introduction**

- Introduction to AngularJS MVC Architecture
- Conceptual Overview
- Setting up the Environment
- First Application
- Understanding ng Attributes



- **Filters**
 - Purpose of Filters
 - Built-In Filters
 - Uppercase and Lowercase Filters
 - Currency and Number Formatting Filters
 - OrderBy Filter
 - Filter Filter
 - Creating Custom Filter
- **Expression and data binding**
 - Number and String Expressions
 - Object Binding and Expressions
 - Working with Arrays
 - Forgiving Behaviour
 - Understanding Data Binding
- **Forms**
 - Using Simple Form
 - Working with Select and Options
 - Input Validations
 - Using CSS classes
 - Form Events
 - Custom Model update triggers
 - Custom Validations
- **Routing**
 - Introduction to SPA
 - Creating HTML Templates
 - Configuring Route Provider
- **Controllers**
 - Understanding Controllers
 - Programming Controllers and \$scope object
 - Adding Behaviour to a Scope Object
 - Passing Parameters to the Methods
 - Having Array as members in Controller Scope
 - Nested Controllers and Scope Inheritance
 - Multiple Controllers and their scope



- **Working with directives**
 - Introduction
 - Core Directives
 - Conditional Directives
 - Style Directives
 - Mouse and Keyboard Events Directives
- **Modules**
 - Why Module?
 - Module Loading and Dependencies
 - Recommended Setup of Application
 - Creation vs Retrieval
- **Services**
 - Understanding Services
 - Developing Creating Services
 - Using a Service
 - Injecting Dependencies in a Service