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Document History

Date	Course Version No.	Software Version No.	Developer / SME	Reviewer(s)	Approver	Change Record Remarks
9/7/2014	1.0	MVC 4.0	Karthik Muthukrishnan			
2/9/2015	2.0	MVC 5.0	Shashank Saudagar			Version upgrade from 4.0 to 5.0
5/23/201 5	3.0	MVC 5.0	Ganesh Desai	Vaishali Kasture	Mahima Sharma	Material revamped as per the Cepgemini integrated Course Curriculum .

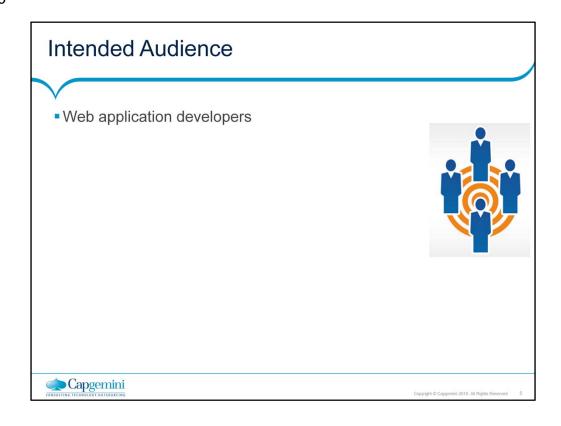


Course Goals and Non Goals

- Course Goals
- To get familiar with fundamentals of ASP.NET MVC 5.0
- Develop web applications using ASP.NET MVC 5.0
- Course Non Goals
- Bootstrap and AngularJS will not be covered as part of this training.
- Develop ASP.NET MVC 5.0 using jQuery Mobile is not part of this training



Pre-requisites ■ HTML, CSS, ASP.NET, C# & jQuery basics ©CEPTION **COMPANIENT **



Day Wise Schedule

- Day 1
 - Lesson 1: Fundamentals of ASP.NET MVC 5.0
 - Lesson2: Working with Views
- Lesson 3: Exploring Controllers
- Day 2
 - Lesson 4: Exploring Models & working with data
 - Lesson 5: Entity Framework 6 Features and Asp.net Scaffolding
- Day 3
 - Lesson 6 : Web Optimization with ASP.NET MVC
 - Lesson 7: Using AJAX In ASP.NET MVC



- Lesson 1: Fundamentals of ASP.NET MVC 5.0
 - 1.1 ASP.NET MVC Introduction
 - 1.1.1 ASP.NET MVC Framework
 - 1.1.2 ASP.NET vs. ASP.NET MVC
 - 1.1.3 ASP.NET MVC Model
 - 1.1.4 Model
 - 1.1.5 Controller
 - 1.1.6 View
 - 1.1.7 ASP.NET MVC Application Folders
 - 1.2 One ASP.Net with Visual Studio 2013
 - 1.3 View Engine
 - 1.2.1 Introduction to Razor View Engine
 - 1.4 Routing
 - 1.3.1 Introduction to routing
 - 1.5 Scaffolding
 - 1.4.1 Scaffolding in MVC



- Lesson 2: Working with Views
 - 2.1 ASP.NET MVC View Engines
 - 2.1.1 View Engines
 - 2.1.2 Razor View engine
 - 2.1.3 Razor Syntax
 - 2.2 Working with Layout
 - 2.2.1 Introduction to Layout
 - 2.2.2 Render Body, Render Page & Render Section
 - 2.3 HTML Helpers
 - 2.3.1 HTML Helper
 - 2.4 Working with Partial Views
 - 2.4.1 Partial Views



- Lesson 3: Exploring Controllers
 - 3.1 Working with Controllers
 - 3.1.1 Controllers
 - 3.2 Routing
 - 3.2.1 Routing
 - 3.2.2 Default Route
 - 3.3 Attribute Routing in MVC 5
- 3.4 Passing Data from controller to view
 - 3.3.1 ViewData
 - 3.3.2 ViewBag
 - 3.3.3TempData
- 3.5 Action Methods
 - 3.4.1 Introduction to Action Methods
- 3.4.2 Action Results
- 3.4.3 Action Selectors
- 3.4.4 Action Filters
- 3.4.5 Filter Overrides in MVC 5



- Lesson 4: Exploring Models & working with data
 - 4.1 Model Binding
 - 4.2 Data Annotation
- Lesson 5: Entity Framework 6 Features with Asp. Net Scaffolding
 - 5.1 Code First Model
 - 5.2 Multiple Migrations
 - 5.3 Scaffolding
 - 5.4 Async Queries
 - 5.5 Logging
 - 5.6 Moving schemas
- Lesson 6: Web Optimization with ASP.NET MVC
 - 6.1 Web Optimization
 - 6.2 Bundling & Minification
 - 6.3 Configuring bundles



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- Lesson 7: Using AJAX In ASP.NET MVC
 - 7.1 AJAX Introduction
 - 7.1.1 AJAX Introduction
 - 7.1.2 Raw AJAX Drawbacks
 - 7.1.3 AJAX in ASP.NET MVC
 - 7.2 AJAX Helpers
 - 7.2.1 AJAX Helpers
 - 7.2.2 AJAX Helpers properties
 - 7.3 Partial Page rendering
 - 7.4 JSON
 - 7.4.1 JSON Introduction
 - 7.4.2 JSON In ASP.NET MVC
 - 7.5 AJAX using jQuery

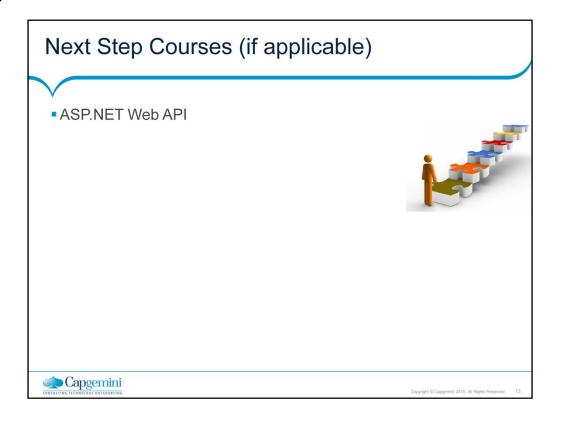


References

- Professional ASP.NET MVC 5 Wrox Pub.
- Programming ASP.Net MVC Microsoft Press
- Pro MVC 5 Apress







● Spring MVC ■ Struts 2.X ■ JSF