## Introduction to ASP.NET MVC

## Course Topics

### Introduction to ASP.NET MVC

| Introduction to ASP.NET MVC | |
| --- | --- |
| 01 | Basics of MVC and the Moving Parts | 05 | Customizing Views |
| 02 | Creating and Configuring Models | 06 | Introduction to Bootstrap |
| 03 | The Power of Visual Studio | 07 | Introduction to Authentication |
| 04 | Customizing Controllers | 08 | Next Steps |

## Setting Expectations

- Target Audience
  - .NET Developer who is new to web development
  - Web developer who is new to .NET
  - Web Forms developer who wants to learn ASP.NET MVC

- Suggested Prerequisites/Supporting Material
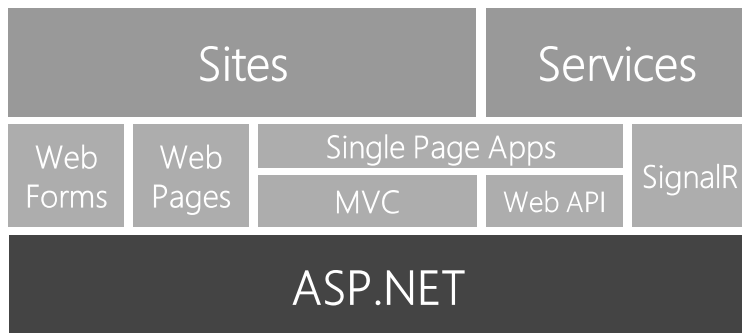  - Visual Studio 2013 Express for Web

## 01 | Basics of MVC and the Moving Parts

## Module Overview

- ASP.NET overview
- What is MVC?
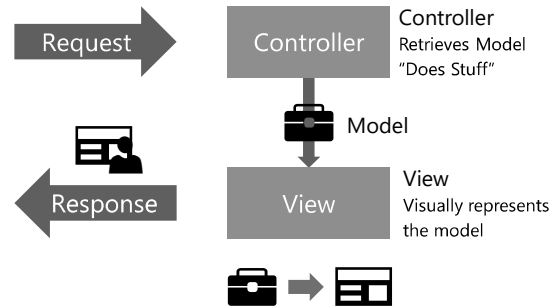- What's the point?

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ASP.NET Overview

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## ASP.NET Overview

| Sites | Services |
|-------|----------|

| Web Forms | Web Pages | Single Page Apps | SignalR |
|-----------|-----------|------------------|---------|
| | | MVC — Web API | |

**ASP.NET**

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What is MVC?

## Models, Views, and Controllers

What does MVC look like?

Request → Controller

**Controller**
Retrieves Model
"Does Stuff"

**Model**

**View**
Visually represents
the model

View → Response

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What's the Point

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## Seems complicated. What's the point?

- Every web application needs some structure
- MVC helps you stay organized, start to finish
- Often end up with less code, not more
- Smoother learning curve as your project grows

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## Some comparisons to ASP.NET Web Forms

## ASP.NET Web Forms Values

- Productive way to build web applications
- Control and event-based programming model
- Controls that abstract HTML, JS and CSS
- Rich UI controls – datagrids, charts, Ajax
- Browser differences are handled for you

Summary: Web Forms handles a lot of things for you.

## Testability

- Unit testing helps you change code with confidence
- ASP.NET MVC is designed to make unit testing easy