

# MVC COURSE

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# Agenda – Session 4

**Views – Purpose in MVC**

**Calling a View**

**Strong Typed Views**

**Razor View Engine**

**Demos**

# MVC - View

- A view contains the HTML markup and content that is sent to the browser.
- A view is the equivalent of a page when working with an ASP.NET MVC application
- We must create views in the right location. The HomeController.Index() action returns a view located at the following path:  
`\Views\Home\Index.aspx`
- The HomeController.About() action returns a view located at the following path:  
`\Views\Home\About.aspx`

# MVC - View

- A ASP.NET MVC provides a WebFormViewEngine
  - Allows you to use .aspx, .ascx and .master for view
- ViewPage derives from System.Web.UI.Page
  - Largely minus the server\_side infrastructure
  - Ignore post-back, etc.
- Views can do anything you like
  - Render HTML, XAML, produce images, etc.

# Data Source for View

- Controller obtains it from the model
  - (or even just passes in the model)
- Controller sets data via ViewData dictionary
  - e.g. `ViewData["Title"] "Nit MVC";`
  - e.g. `ViewData["Title"] = Rocks ;`
- Strongly typed data passed in Model property
- View declared using `ViewPage<T>`
- T defines the type of the `ViewData.Model` property

# Razor

- new view engine option for ASP.NET

```
<h1>Razor Example</h1>
```

```
<h3>
```

```
    Hello @name, the year is @DateTime.Now.Year
```

```
</h3>
```

```
<p>
```

```
    Checkout <a href="/Products/Details/@productId">this product</a>
```

```
</p>
```

# Razor ViewEngine

- Samples

Microsoft  
.NET

MVC

# Questions



Sharma  
.NET

MVC