



Module 3 Day 4

MVC Views 2

A little more on Layout Pages

- `_ViewStart.cshtml`
 - Code in this file runs before any view code runs
 - This is why every view does not need to set its Layout
- You can Render more content than just a single Body
 - `@RenderSection` is used in the Layout file
 - `@section` is used in the View file to define blocks of code to be rendered

MVC Request Workflow

- Browser sends HTTP Request to server
- Framework *routes* request to a Controller Action
- Controller creates Model objects to do some work (fetch or update)
- Controller invokes the View
 - Passes Model data (possibly other properties) to the view
- View merges HTML + Model data to create response body
- Controller returns HTTP Response to the Browser
- Browser displays response body (in the case of HTML)

Passing Model Data - Controller

- Controller gets Model data, View needs it
- Controller passes Model using a View method overload
- Overloads of the View method:

`View()` : uses the default view (action name), no model data

`View("myView")` : uses view "myView", no model data

`View(myModel)` : uses default view, passes model myModel

`View("myView", myModel)` : uses view "myView", model myModel

Passing Model Data - View

- Add the **@model** directive to the top of the View file
@model SavingsAccount
 - Specifies the Type of the Model
 - Other Razor directives. Note all Razor directives are lower-case
 - @using
 - @namespace
 - @section
- Refer to the passed-in model object with the **Model** property
 - This is a property available in the Razor code
 - As a property it is declared as upper-case