

MVC COURSE

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Agenda – Session 3

Controllers

Basics – URL relationship

ASP.NET Conventions

Core Action Functionality

Demo

ASP.NET

MVC

MVC - Controller

- A controller is responsible for controlling the way that a user interacts with an MVC application.
- A controller determines what response to send back to a user when a user makes a browser request.

Controllers**

- Just a class that implements `IController`
- Typically derive from the provided `Controller` class
- Public methods are the *action* methods
- Invoked via the routing mechanism
- Apply `[NonAction]` attribute to turn this off
- Action method prepares data and shows a view
- Controller sets the data that the view uses
- Use the `View` method to display the view

Example

- For example, consider the following URL:
`/Job/Details/3`
- This URL is parsed into three parts like this:
Controller = JobController
Action = Details & Id = 3
- The default route includes default values for all three segments. The default Controller is HomeController, the default Action is Index, and the default Id is an empty string.

Controllers

Core Action Functionality

- Actions methods should return an ActionResult
- ViewResult - if you want to show a View
- ContentResult - directly returning content
- RedirectResult to redirect to a new URL
- RedirectToRouteResult - redirect to route
- EmptyResult - null object pattern
- JsonResult - returning a blob of json
- RedirectToRouteResult - redirect to route
- JavaScriptResult - script that can be executed on the client

Questions



Sharma
.NET

MVC