

ASP.NET MVC for Absolute Beginners

Your Secret Decoder Ring

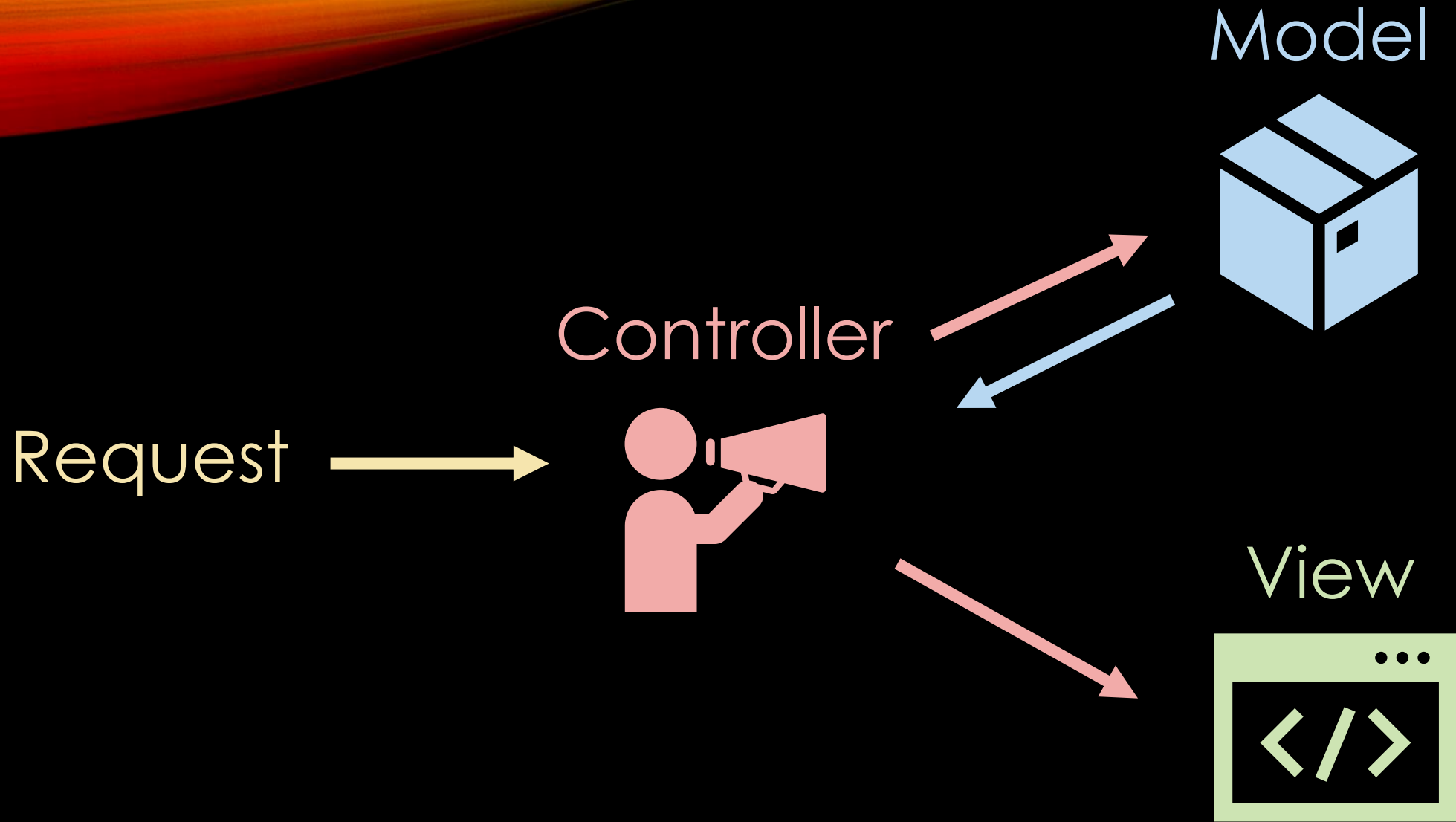
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Model-View-Controller (MVC)

- Model
 - The data (and often business logic)
- View
 - What the user sees: buttons, text boxes, data output
- Controller
 - Based on request (and parameters), determines which view to use, gets data from the model, and gives it to view



Conventions

- The default route pattern is [Controller Name] / [Action Name] / [ID (optional parameter)].
 - `http://localhost:5000/catalog/list/17`
 - `Controller = "catalog"`
 - `Action = "list"`
 - `ID = "17"`
- The route often also contains default or optional values

Conventions

- Controllers are located in the "Controllers" folder.
 - project/Controllers/HomeController.cs
 - project/Controllers/MazeControllers.cs
- Controllers are named with the suffix "Controller".
 - HomeController, MazeController

Conventions

- An Action is a function with the same name in the Controller class.
 - The "Index" action on the "Home" controller is the Index() function on the "HomeController" class
- An Action returns an IActionResult
 - This can be a view, file, string content, etc.

Conventions

- Views are in the "Views" folder with sub-folders based on the Controller name.
 - project/Views/Home/Index.cshtml
 - project/Views/Home/Privacy.cshtml
- Views can also be in the "Shared" sub-folder.
 - project/Views/Shared/Error.cshtml
- Views are named after the corresponding Action in the Controller.

Conventions

- In .cshtml files (razor views), the "@" means "there's some C# code coming!"
 - @Html.TextBoxFor(m => m.Size)
 - @RenderBody()



Resources

Code Samples & Resources

[https://github.com/jeremybytes/
mvc-conventions-aspnet-50](https://github.com/jeremybytes/mvc-conventions-aspnet-50)



Thank You!

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