

MVC COURSE



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Agenda Session 2

n

ASP.NET MVC

Releases

Install MVC 3 for VS 2010

ASP.NET MVC – More Detailed

Razor – Spark – Django.. engines

Demo

ASP.NET

MVC

Releases

- Transparently
 - Regular source code releases on CodePlex
 - Previews 1 – 5, Beta thus far. 6 releases!
 - Community feedback via forums, etc...
- Agilely
 - 94% Code Coverage/1051 unit tests
 - Daily Triage Meetings and weekly design meetings
 - Small agile team

ASP.NET
MVC1

MVC2

MVC3

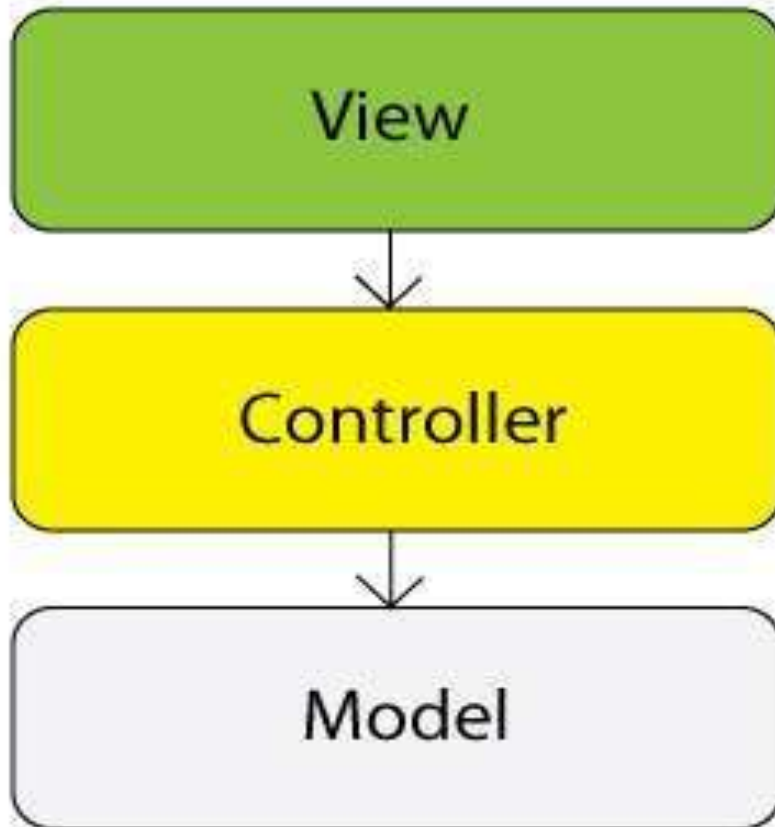
Developer Preview

Microsoft
ASP.net MVC4

ASP.NET

MVC

What is MVC?



The stuff for displaying whatever it is that you are supposed to be displaying in your application.

The bit that connects the view and the model.

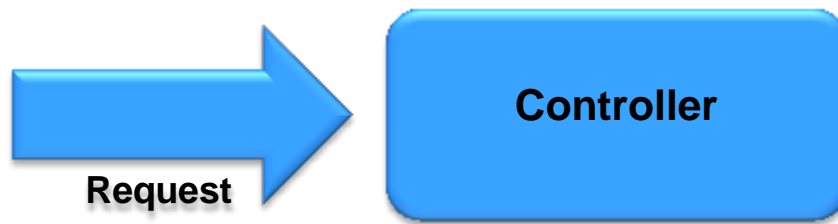
The classes that model the domain, or subject matter for which you are writing software.

ASP.NET
MVC



ASP.NET

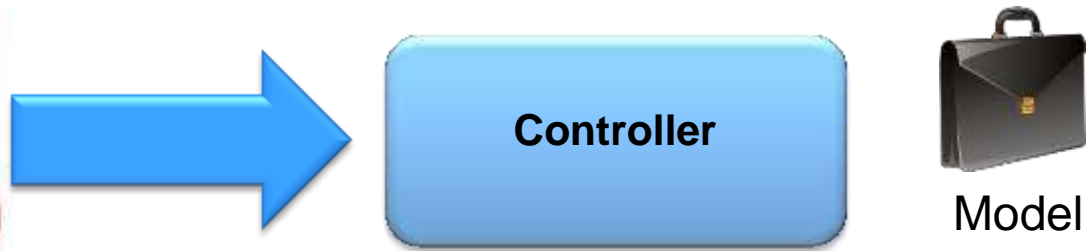
What is MVC?



Step 1

Incoming request directed to **Controller**

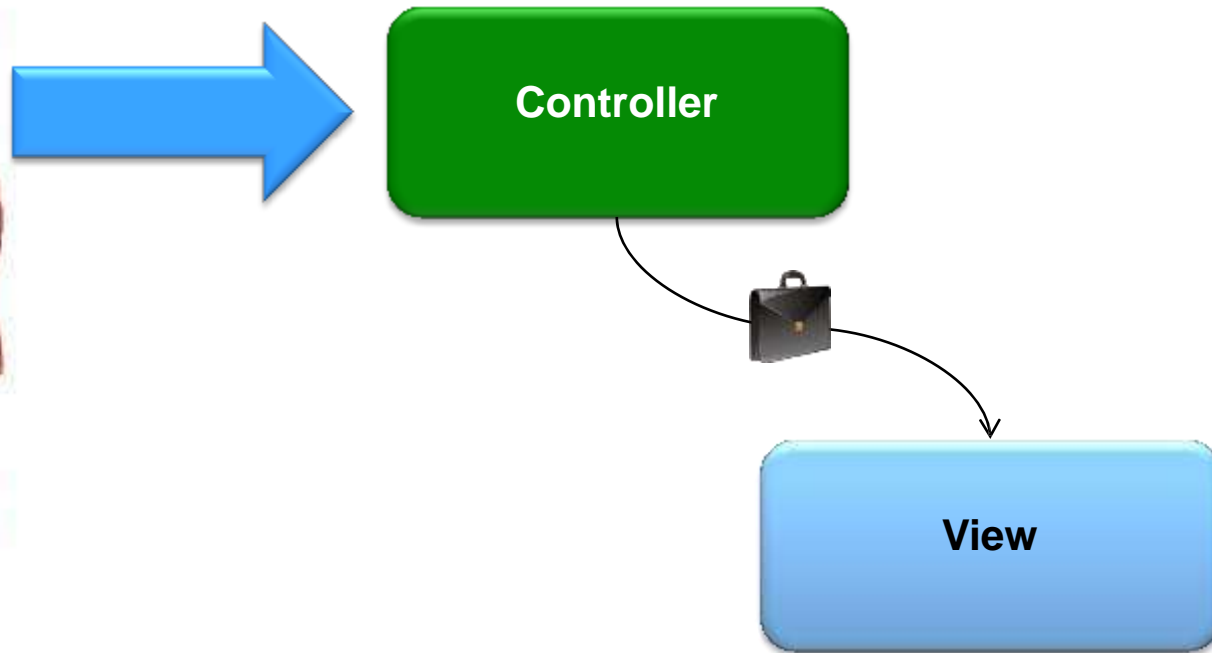
What is MVC?



Step 2

Controller processes request and forms a data **Model**

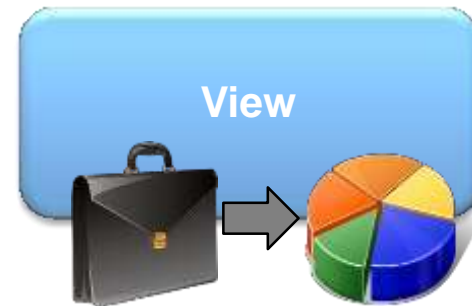
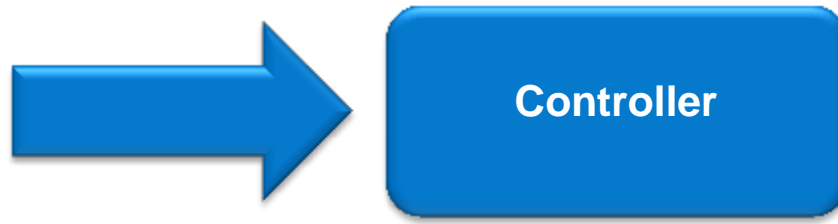
What is MVC?



Step 3

Model is passed to **View**

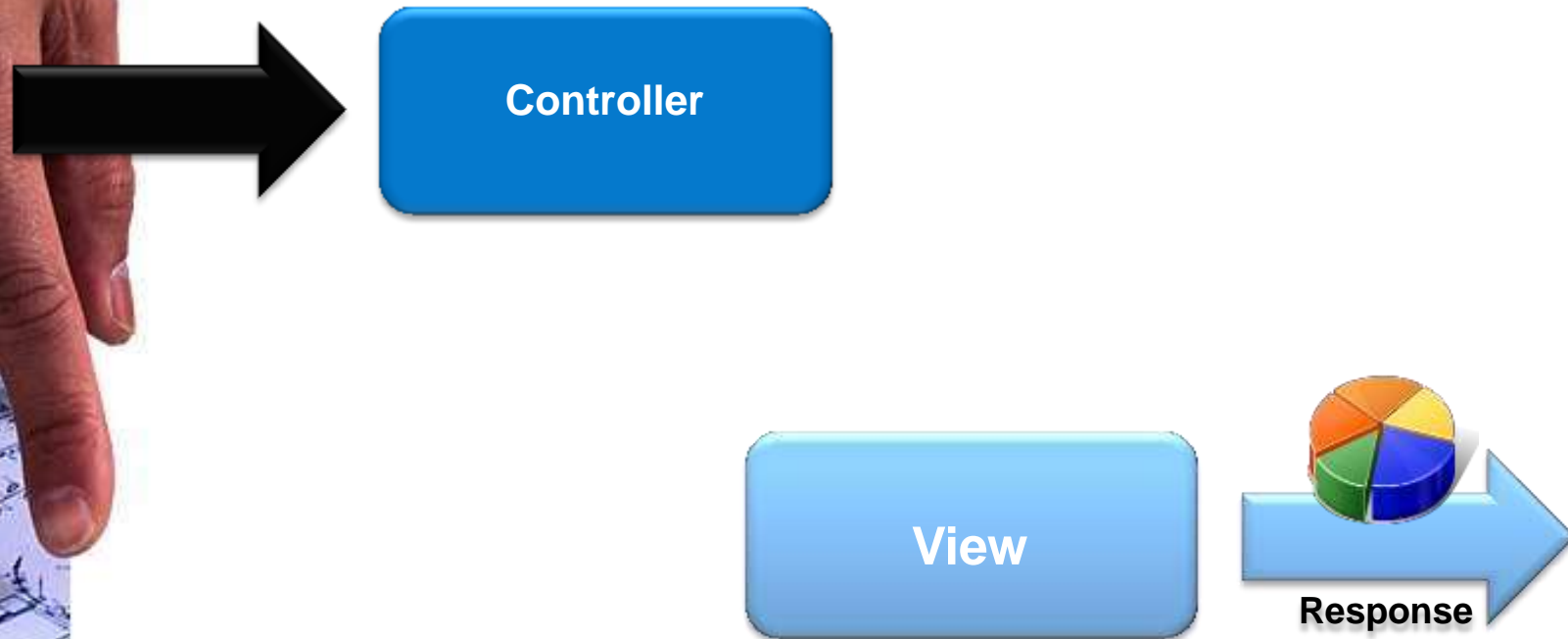
What is MVC?



Step 4

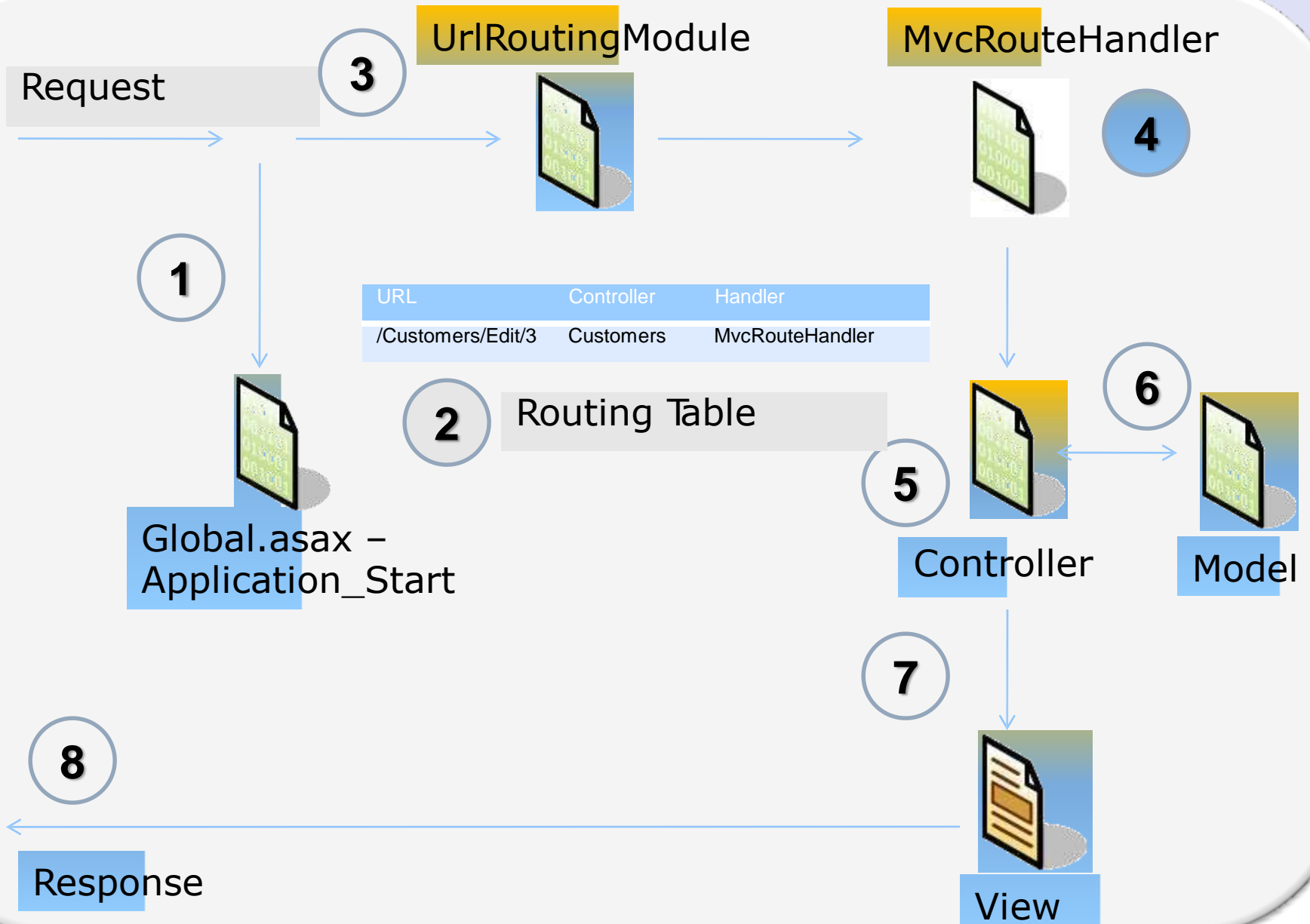
View transforms **Model** into appropriate output format

What is MVC?



Step 5
Response is rendered

ASP.NET MVC App Execution



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.

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

- Code blocks start with @ symbol. No end symbol required (ie %>)
- Web Forms Engine:
`<h3> <%: Model.Name %></h3>`
- Razor:
`<h3> @Model.Name</h3>`

Questions



Microsoft
.NET

MVC