Creating a Simple Form

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Overview

Using tag helpers

Model binding and validation

Using Tag Helpers

Recap: Tag Helpers

Server-side

Trigger code execution

Built-in or custom

Built-in Form Tag Helpers

Form tag helper

Input tag helper

Label tag helper

Textarea tag helper

Select tag helper

Validation tag helpers

```
<form asp-action="Index" method="post"
    class="form-horizontal" role="form">

  ...

</form>
```

Using the Form Tag Helper

```
<label asp-for="Name">
</label>


<label for="Name">
  Name
</label>
```
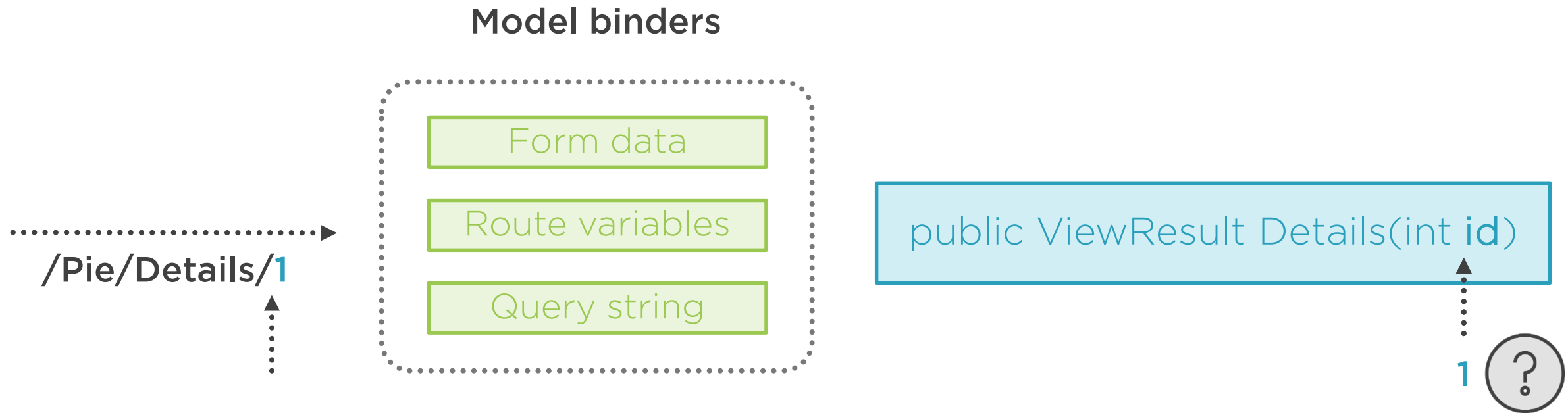
Using a Tag Helper

Demo

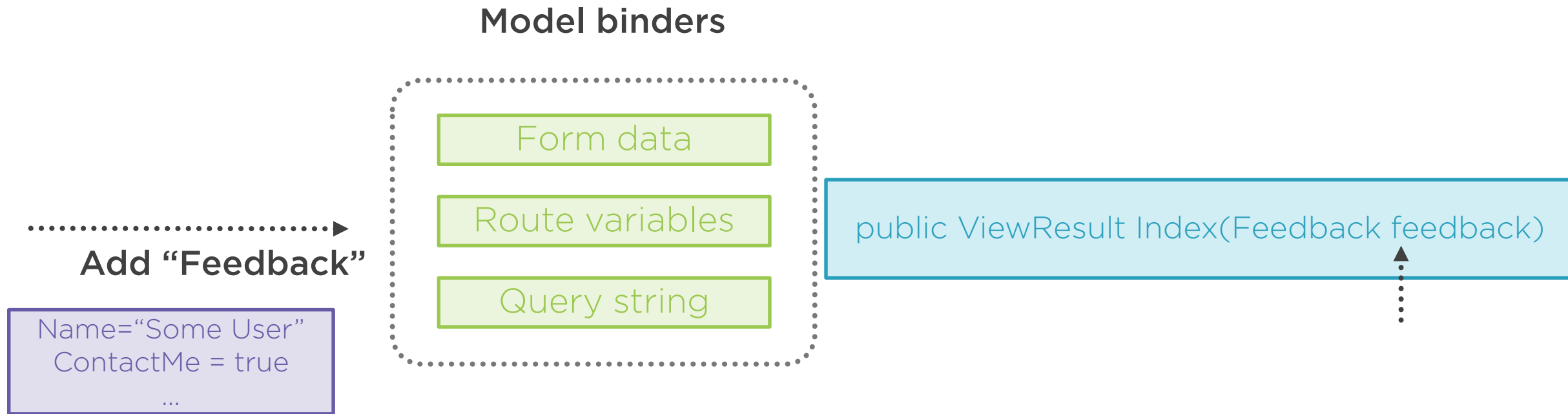**Creating the form using tag helpers**
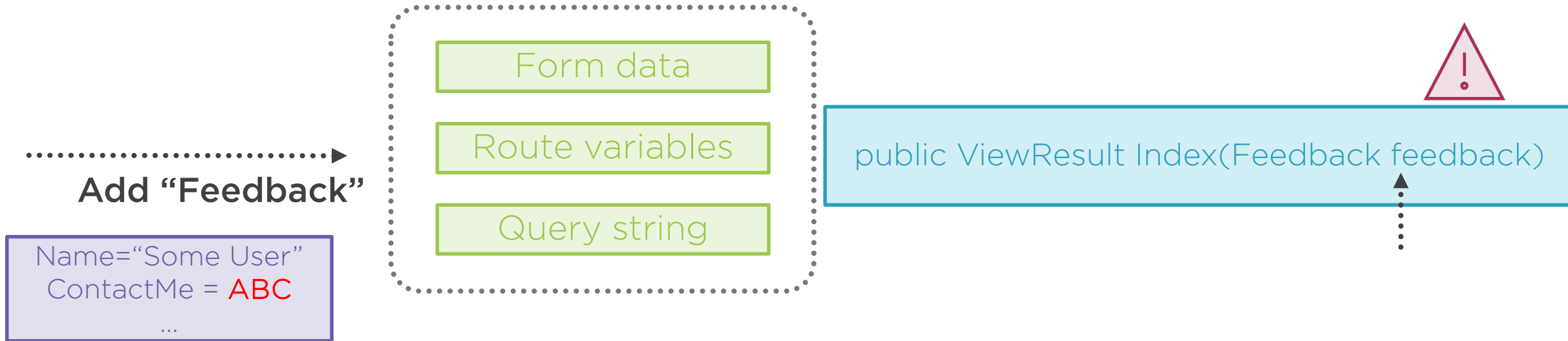
Model Binding and Validation

Model Binding

Model binders

Form data

Route variables

Query string

/Pie/Details/1

public ViewResult Details(int id)

1 ?

Binding to Complex Types

Model binders

Form data

Route variables

Query string

Add "Feedback"

Name="Some User"
ContactMe = true
...

public ViewResult Index(Feedback feedback)

Binding to Complex Types

Model binders

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public ViewResult Index(Feedback feedback)

Add "Feedback"

Name="Some User"
ContactMe = ABC
…

```csharp
if (ModelState.IsValid)
{
    _appDbContext.Feedbacks.Add(feedback);

    _appDbContext.SaveChanges();
}
else
{

    return View();
}
```

Using ModelState

Adding Validation Attributes

```csharp
public class Feedback
{
    [Required]
    [StringLength(100)]
    public string Name { get; set; }

    [Required]
    [StringLength(5000)]
    public string Message { get; set; }

}
```

Validation Attributes

Required

StringLength

Range

RegularExpression

DataType
- Phone
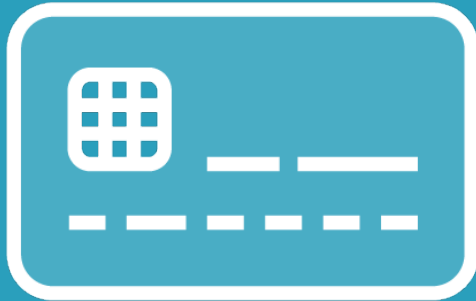- Email
- Url

Demo

Validating the model

Summary

Model binding helps to convert incoming data

Validation can be added through attributes

Up next:
Adding ASP.NET Identity