

# Models in the MVC Framework

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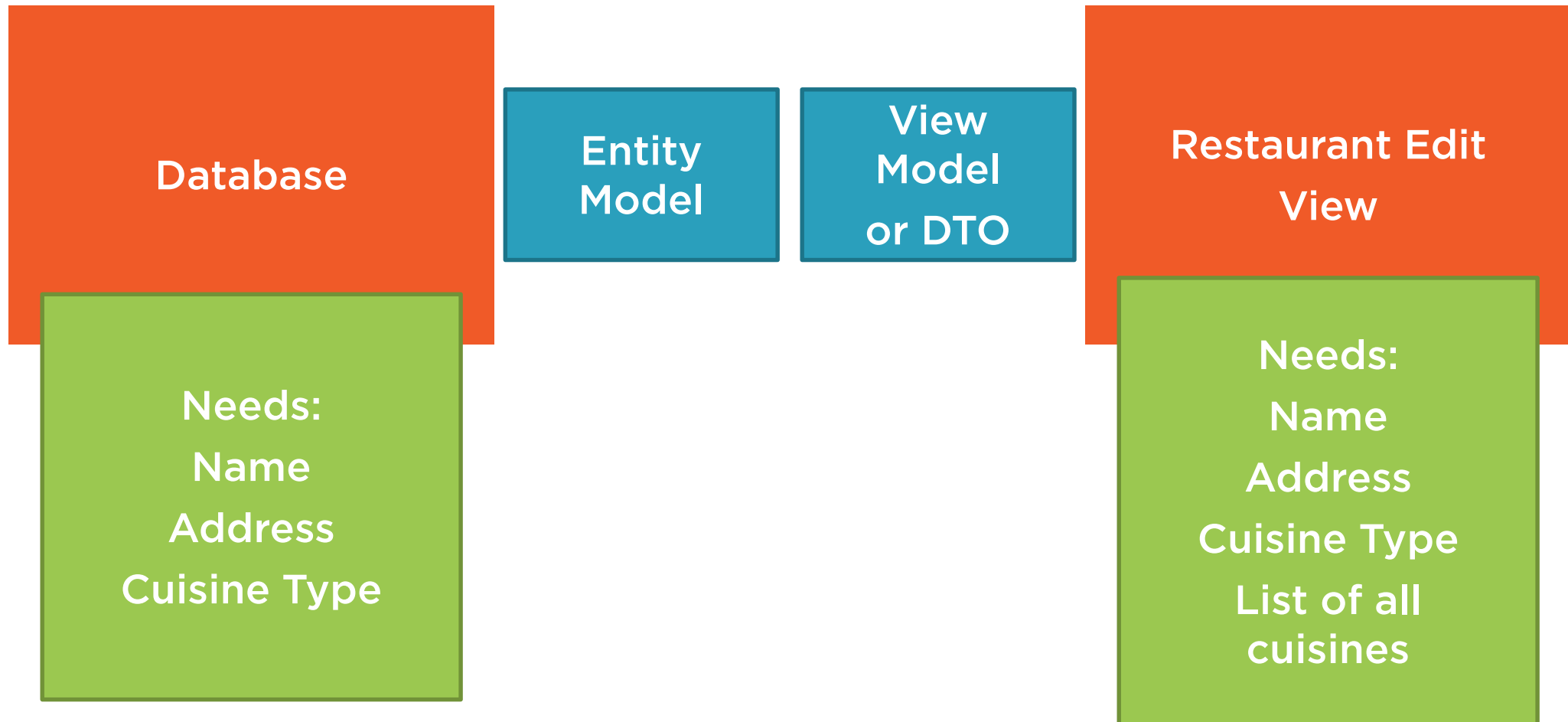


**Scott Allen**

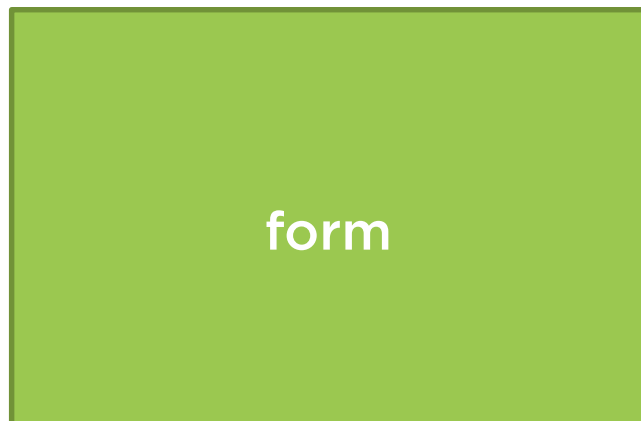
@OdeToCode - <http://OdeToCode.com>



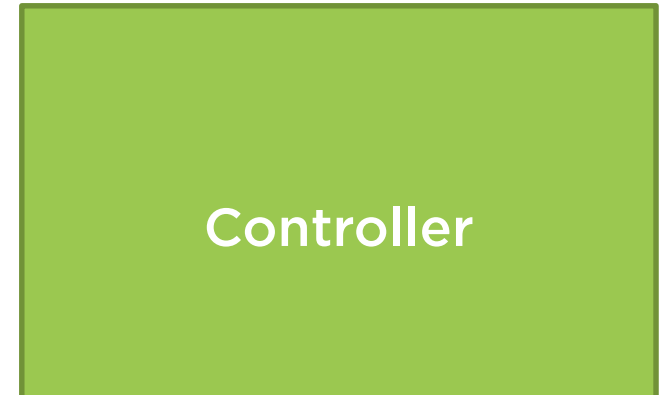
# Models and ViewModels



# Create a Restaurant



`input type="text" name="Name"`



`ViewResult Create(EditRestaurant model)`



# Forms to Models

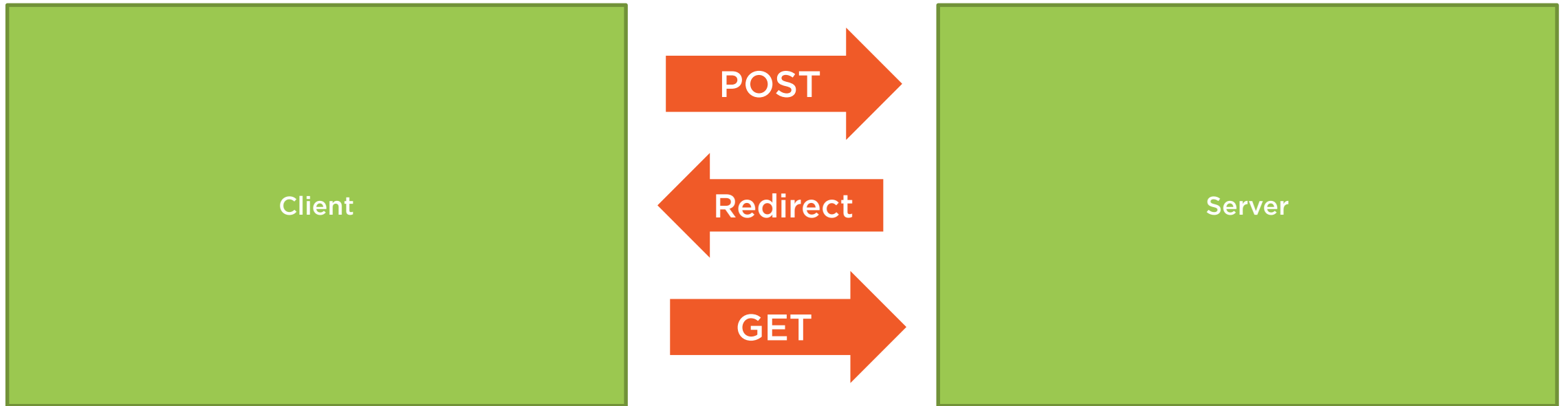
name=Dolce  
&  
cuisine=1

POST

ViewResult Create(Restaurant model)  
"Dolce" -> model.Name  
CuisineType.Italian -> model.Cuisine



# POST – REDIRECT – GET Pattern



# Data Annotations for Models

Name	Purpose
MinLength / MaxLength	Enforce length of strings
Range	Enforce min and max numbers
RegularExpression	Make a string match a pattern
Display	Set the name and formatting string
DataType	Render as password or email input
Required	Model value is mandatory
Compare	Commonly used for password validation



# Summary

```
public class RestaurantEditViewModel
{
    [Required, MaxLength(80)]
    public string Name { get; set; }
    public CuisineType Cuisine { get; set; }
}
```

```
if (ModelState.IsValid)
{
    var restaurant = new Restaurant();
    restaurant.Name = model.Name;
    restaurant.Cuisine = model.Cuisine;

    _restaurantData.Add(restaurant);

    return RedirectToAction("Details",
}
return View();
```

```
@using (Html.BeginForm())
{
    <div>
        @Html.LabelFor(m => m.Name)
        @Html.EditorFor(m => m.Name)
        @Html.ValidationMessageFor(m => m.Name)
    </div>
}
```

