HTML5 Line-of-Business Apps with Bootstrap, MVC 4 & Web API

Craig Shoemaker
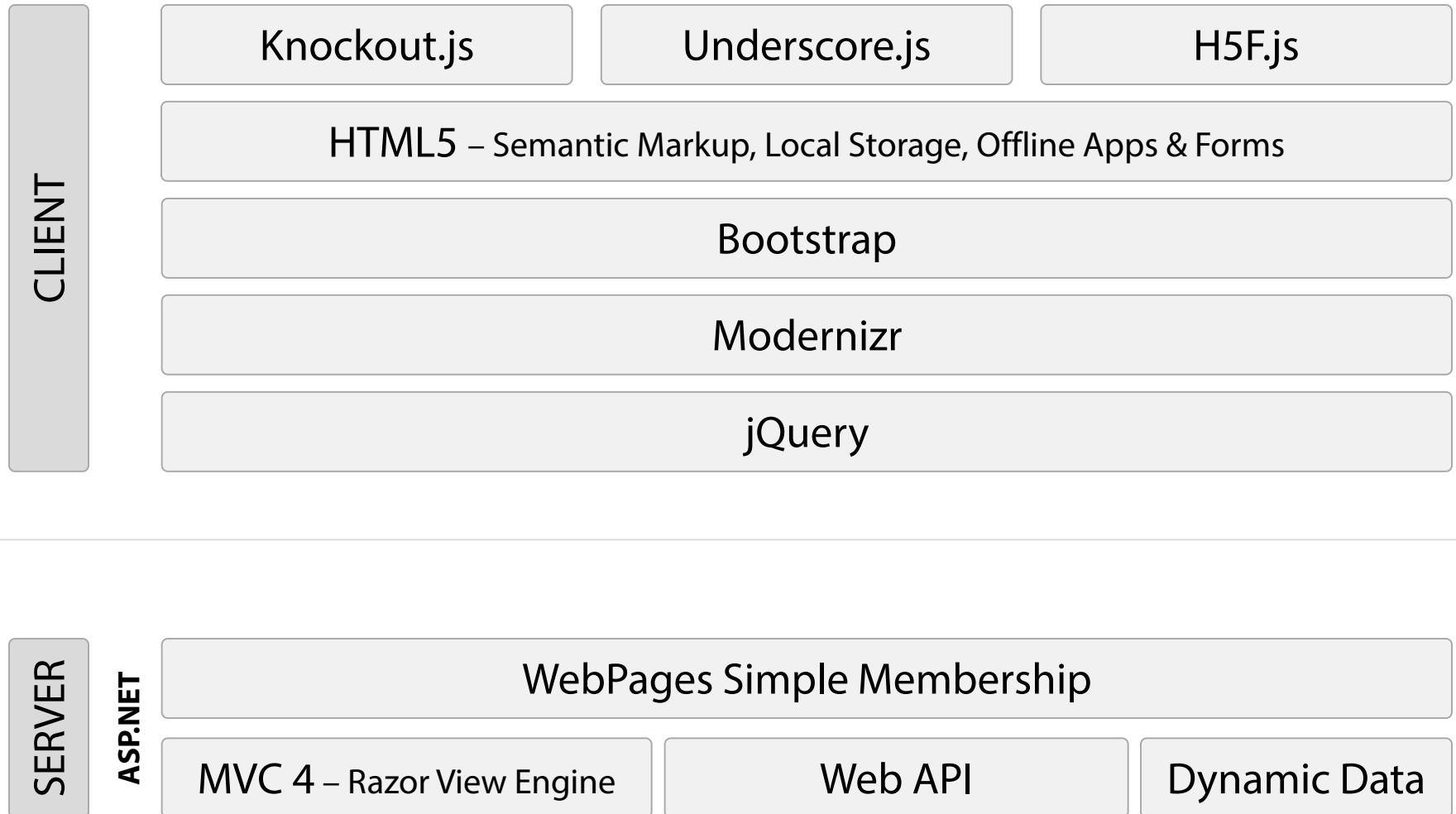
@craigshoemaker
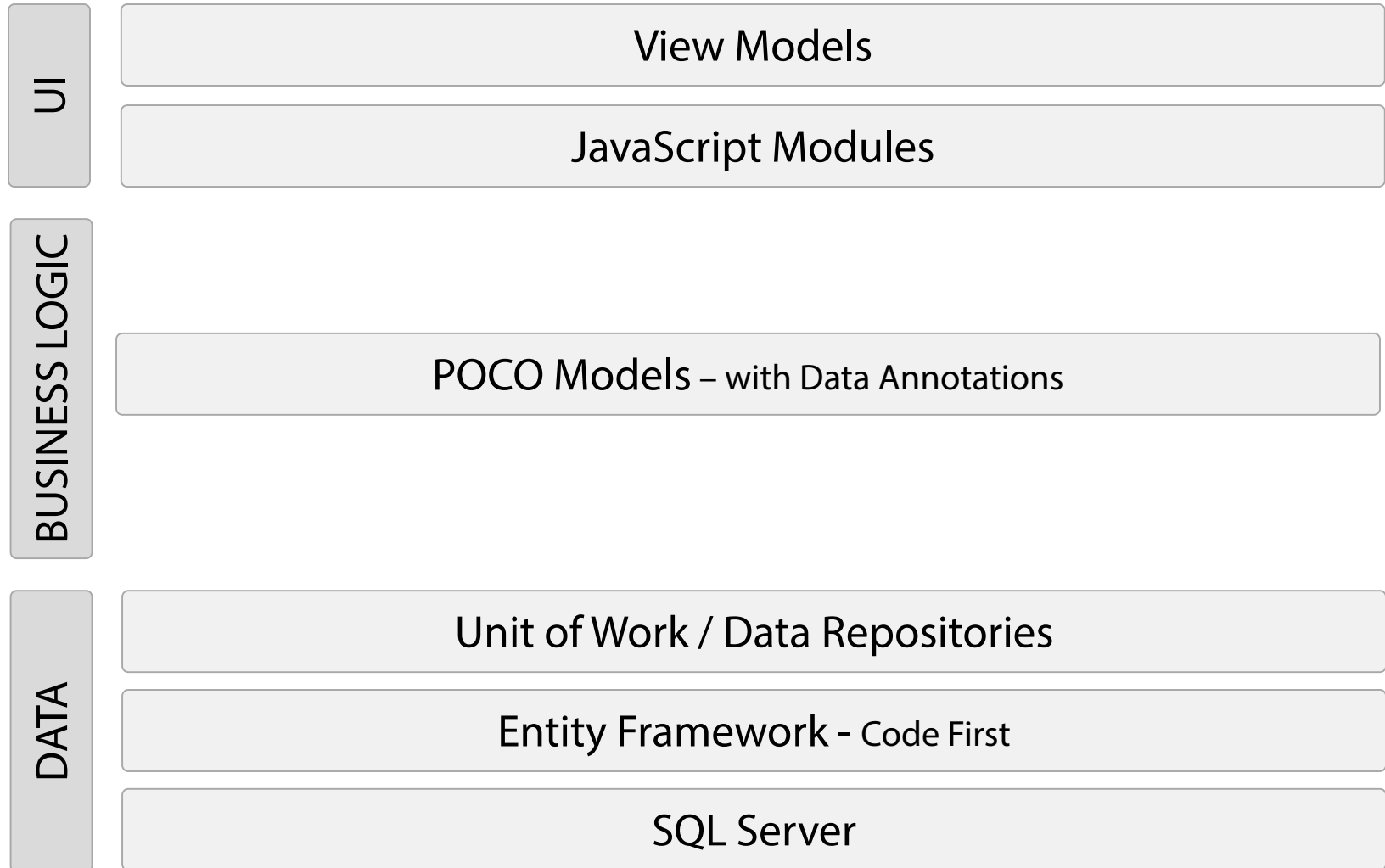
http://craigshoemaker.net

pluralsight
hardcore developer training

Architectural Overview

Client/Server Architecture

CLIENT

Knockout.js	Underscore.js	H5F.js

HTML5 – Semantic Markup, Local Storage, Offline Apps & Forms

Bootstrap

Modernizr

jQuery

SERVER

ASP.NET

WebPages Simple Membership

MVC 4 – Razor View Engine	Web API	Dynamic Data

Logical Architecture

UI

View Models

JavaScript Modules

BUSINESS LOGIC

POCO Models – with Data Annotations

DATA

Unit of Work / Data Repositories

Entity Framework - Code First

SQL Server

Summary

Next Up....

Model & Data Layers

```csharp
namespace CodedHomes.Models
{
    public class HomeMetadata
    {
        [ScaffoldColumn(false)] public object CreatedOn { get; set; }
        [ScaffoldColumn(false)] public object ModifiedOn { get; set; }
    }

    [MetadataType(typeof(HomeMetadata))]
    public class Home : IAuditInfo
    {
        [Key]       public int Id { get; set; }
        [Required]  public string StreetAddress { get; set; }
                    public string StreetAddress2 { get; set; }
        [Required]  public string City { get; set; }
        [Required]  public int ZipCode { get; set; }
        [Required]  public int? Bathrooms { get; set; }
        [Required]  public int? Bedrooms { get; set; }
        [Required]  public int? SquareFeet { get; set; }
        [Required]  public int? Price { get; set; }
        [Required]  public string Description { get; set; }
                    public string ImageName { get; set; }
                    public DateTime CreatedOn { get; set; }
                    public DateTime ModifiedOn { get; set; }
    }
}
```