



Use HTML5/Bootstrap to Build Business UI

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Paul.About

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- Fairway Technologies
 - Custom Software Development
 - Virtual CIO / CTO Services
 - Software Reviews and Audits
 - www.fairwaytech.com



Assumptions

- Are a .NET Developer
- Are familiar with...
 - MVC
 - HTML
 - CSS
 - Bootstrap



Agenda

- See several standard business forms in MVC
 - About, Address, Contact Us, Credit Card, Forgot Password, Change Password, Login, Member Profile, Sign Up, Wizard
 - In some cases, multiple versions of each
- Using many tools
 - MVC, HTML, CSS, Bootstrap, Modal dialogs, Media queries



MVC Helper Classes

- Working with Bootstrap and HTML 5 is a pain with built-in helpers
 - Have to use generic object
- Build your own helper classes
 - Add enums, Bootstrap classes, HTML 5 attributes



MVC Helper Classes

- Normal – No IntelliSense

```
@Html.TextBoxFor(m=>m.Email, new { @class="form-control", type="email",  
    required="required", autofocus="autofocus",  
    title="Email", placeholder="Enter your Email" })
```

- Custom Helper – IntelliSense, Enums

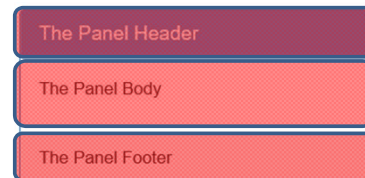
```
@Html.TextBoxBootstrapFor(m => m.Email,  
    HtmlExtensions.Html5InputTypes.email,  
    "Email", "Enter Your Email", true, true)
```



Business Forms

- Use Bootstrap panel classes for most forms

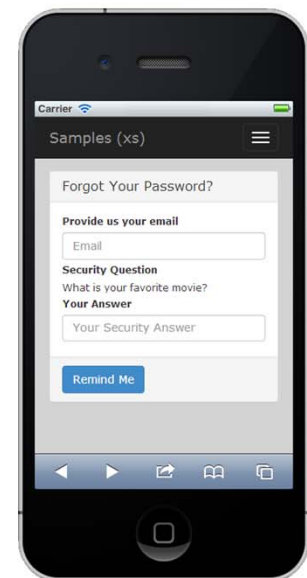
```
<div class="panel panel-primary">  
  <div class="panel-heading">  
    <h1 class="panel-title">  
      The Panel Header</h1>  
    </div>  
  <div class="panel-body">  
    <p>The Panel Body</p>  
  </div>  
  <div class="panel-footer">  
    The Panel Footer  
  </div>  
</div>
```



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Change/Forgot PWD

- Email address
- Security question and answer
- Use “form-control-static” class to display text
- Use panel classes for layout
- Add row for messages



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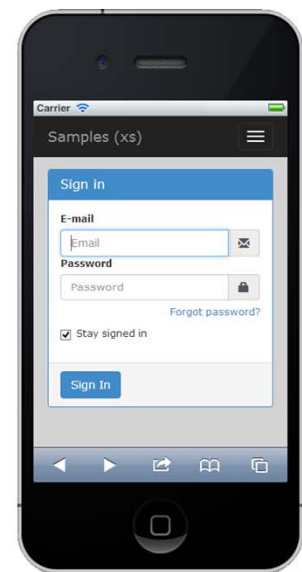
Demo

- Forgot password
- Change password

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Login

- Either 'user name' or 'email'
- Password field
- Add link for forgot password
- Check box for "stay signed in"
- Can display as a modal dialog



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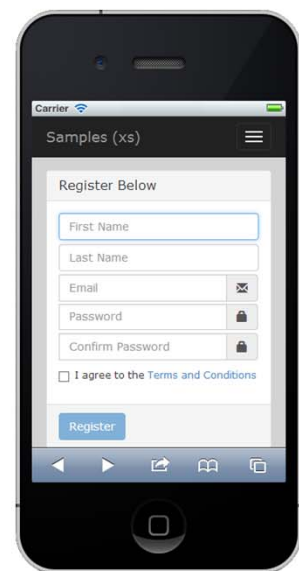
Demo

- Login pages

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Sign up

- Ask user for registration info
 - First, Last, Email, Password, Confirm Password
- Accept Terms
 - Shown as modal dialog



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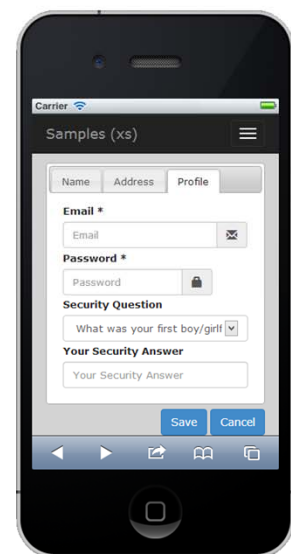
Demo

- Sign up

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Member Profile

- Three examples
 - Normal page
 - Horizontal page
 - Tabbed page
- Use drop-down lists for birth date



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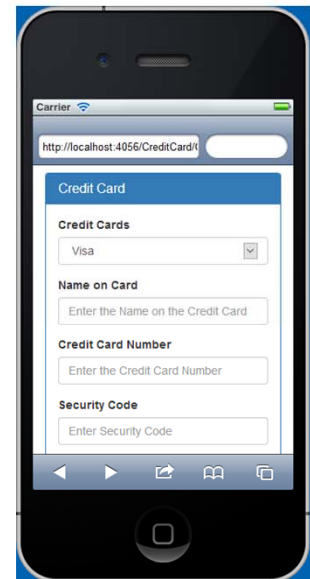
Demo

- Member profile

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Credit Card

- XML file holds credit card types
- .NET classes used for loading months and years
- Use 'form-inline' for billing date
- Use autocomplete="off" for security



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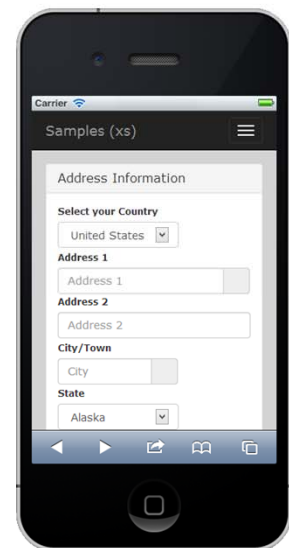
Demo

- Credit Card

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Address

- Country code changes page
- Address lines change
- Show/Hide
 - US state codes
 - Canadian provinces
 - “Zip code” and “Postal code” label



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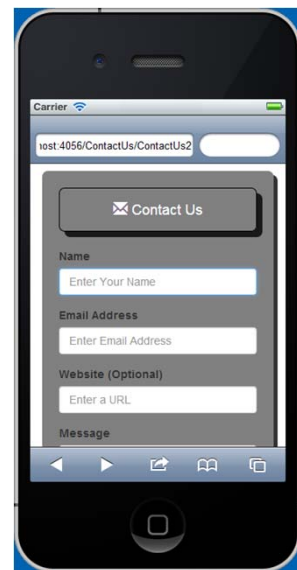
Demo

- Address

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Contact Us

- Change size and layout of figure based on screen size
- Use media query to change style



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Demo

- Contact Us



About

- Free reign on design
 - Rounded corners
 - Drop shadows
 - ‘img-responsive’
 - ‘img-rounded’



Demo

- About



Wizard

- Walk user through series of steps
- Use bootstrap tabs
- Style the tabs
- Write jQuery for navigation
- Turn on/off buttons



Demo

- Wizard



Summary

- HTML / CSS / Bootstrap / jQuery
 - A powerful combination
- Use panel class around inputs
- Use input-group and glyph icons
- Create your own MVC helpers
- Use new HTML attributes
 - Placeholder, title, autofocus, etc.
- Use media queries to change size/layout



Thank You

- Check out my Pluralsight videos
 - Basics of Unit Testing for C# Developers
 - Building Business Components using Angular
 - The Journey from MVC to Angular
 - Build an HTML Helper Library for ASP.NET MVC 5
 - Consolidating MVC Views using Single Page Techniques
 - Extending Bootstrap with CSS, JavaScript and jQuery
 - Build your own Bootstrap Business Application Template in MVC
 - Building Mobile Web Sites Using Web Forms, Bootstrap, and HTML5
 - How to Start and Run A Consulting Business
 - The Many Approaches to XML Processing in .NET Applications
 - WPF for the Business Programmer
 - WPF for the Visual Basic Programmer - Part 1 & Part 2
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Sample Code

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