

Add, Edit and Delete with Angular



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Goals



Get rid of Razor code

Get a product

Date handling

Update a product

Add a new product

Delete a product



Get Rid of Razor Code



```
<div class="form-group">
  <label for="productName">Product Name</label>
  <input id="productName"
    type="text"
    class="form-control"
    ng-model="vm.product.ProductName" />
</div>
<div class="form-group">
  <label for="introductionDate">
    Introduction Date
  </label>
  <input id="introductionDate"
    type="text"
    class="form-control"
    ng-model="vm.product.IntroductionDate" />
</div>
```

Remove all Razor code

- @Html.*

Use all HTML elements

- <select>
- <input>



```
vm.product = {};  
vm.categories = [];
```

```
// Initialize a new product  
function initEntity() {  
    return {  
        ProductId: 0,  
        ProductName: '',  
        IntroductionDate:  
            new Date().toLocaleDateString(),  
        Url: 'http://www.pdsa.com',  
        Price: 0,  
        Category: {  
            CategoryId: 1,  
            CategoryName: ''  
        }  
    };  
}
```

Create two new variables on scope

- vm.product
- vm.categories

Create initEntity for adding new product

- Set default values to display
- Bind to HTML input fields
- Literal object should be the same as your EF object

Call in addClick event

- vm.product = initEntity();

Demo



Remove all Razor code

Add new properties to controller

Show add mode



Retrieve a Single Product



Get a Product

Two Choices

Get client-side
product

Get product from
database



Advantages/Disadvantages

No round trip /
May not have the latest data

Gets the latest data /
Round trip



Demo



Get a single product



Date Handling / Update a Product



Date Handling

JSON dates are
strings

JavaScript does
not have a date
literal

JSON serializes
using ISO 8601

Typically come across as
UTC format

2015-11-05T00:00:00 or
2015-11-05T00:00:00Z



Date Handling

Put dates into human format
for data entry

`.toLocaleDateString()` uses
browser's date format

Examples:

`M/d/yyyy`

`dd.MM.yyyy`



Date Handling and IE

IE (all versions)

`.toLocaleDateString`
adds extra
characters

Must strip them
out before
converting back
to date



Updating Data

Create PUT Web API method

Create function to call Web
API

Fix up IE Date before sending
data

Update product object in
products array



Demo



Update a product



Add a New Product



Inserting Data

Create POST Web API method

**Create function to call Web
API**

**Fix up IE Date before sending
data**

**Add new product to products
array**



Demo



Add a new product



Delete a Product



Deleting Data

**Create DELETE
Web API method**

**Create function to
call Web API**

**Delete data from
local products
array**



Demo



Delete a product



Summary



Removed almost all Razor code

Retrieved a single product

Date handling for IE

Add, edit, delete products

Coming up in the next module...

- Client-side validation
- Server-side validation
- Displaying validation messages

