Building Data Entry Forms

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Data Entry Form

Facilitate

Relevant, accurate and valid data

Prevent

• Incorrect, invalid, and erroneous data

Through

- Clarity
- Helpful data entry controls
- Validation

Clarity

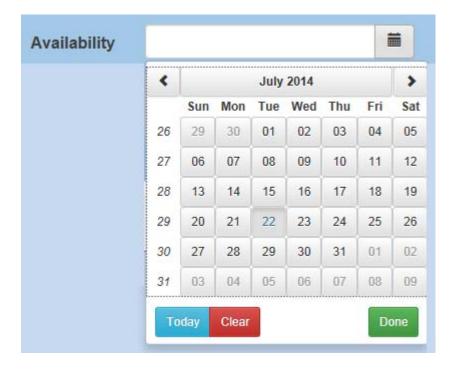
Intent

- Clear label
- Placeholder

Data Entry Controls

Mask Edit

Date Picker Product Code _____



Module Objectives

Create a Data Entry Form

Use the Mask Edit Directive

Bind the UI Elements to the Model

Use a Data Picker Directive

Style the Form with Bootstrap

Submit the Form

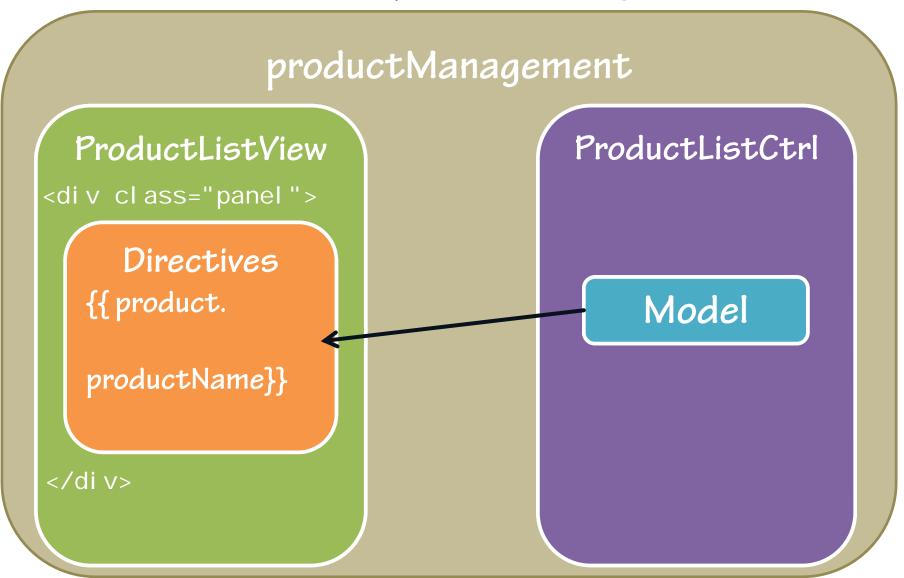
Creating a Form

```
<form name="productForm">
  <fieldset>
  <legend>Basic Product Information</legend>
  </fieldset>
  </form>
```

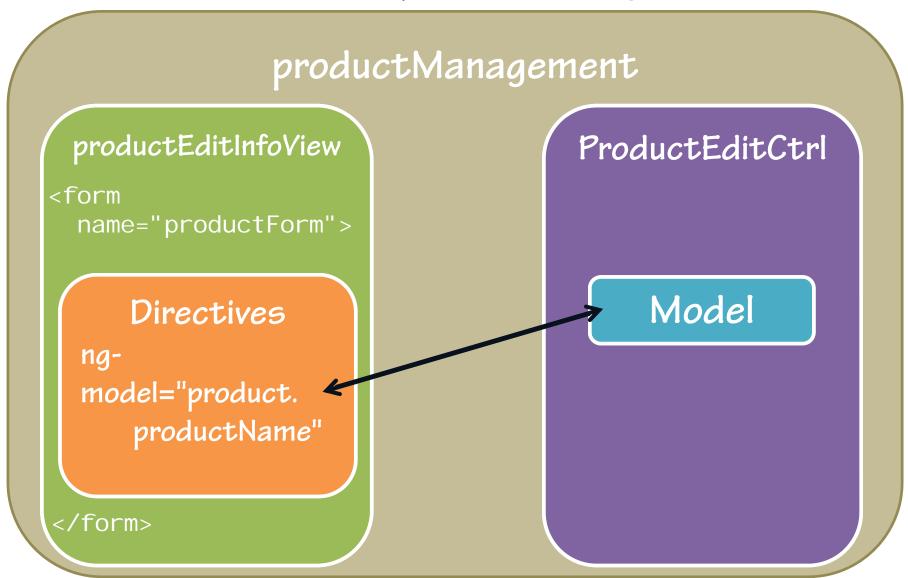
Adding Controls to a Form

```
<di v>
  <label for="inputProductName">
         Product Name</label>
  <input id ="inputProductName"</pre>
         type="text"
         placeholder="Product Name" />
</di v>
<di v>
  <label for="inputDescription">
         Description</label>
  <textarea id="inputDescription"
             pl acehol der="Description"
             rows="3" />
</di v>
```

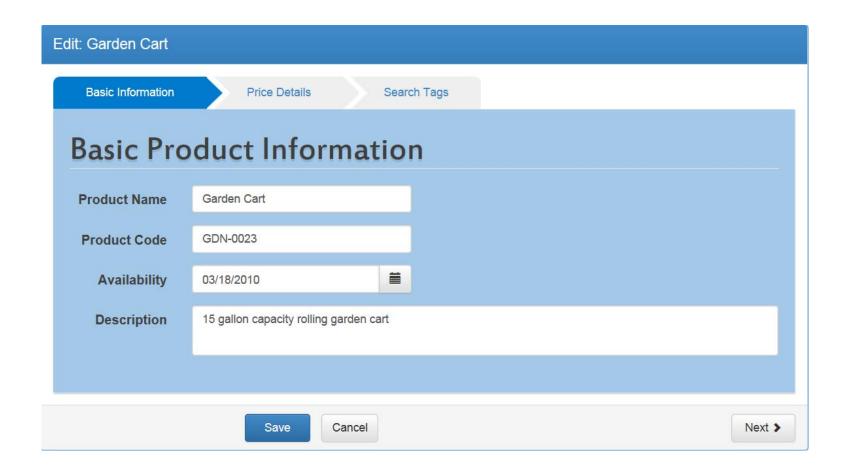
One-Way Data Binding



Two-Way Data Binding



Our Design



Mask Edit



Product Code _____



ui-mask Directive

Download UI.Utils (http://angular-ui.github.io/ui-utils/)

Add ui-utils.js to the project

Add a reference in index.html

Add a dependency on ui.mask

Add the ui-mask directive

ui-mask Directive

```
<div class="form-group">
  <label class="col-md-2 control-label"</pre>
          for="inputProductCode">
          Product Code</label>
    <div class="col-md-4">
       <input class="form-control"</pre>
                 i d="i nputProductCode"
                 ui -mask="AAA-***"
                 ng-model ="productCode">
    </di v>
</di v>

    Any letter

    Any number

    Any letter or number
```

Date Picker



Directives •

Getting started

UI Bootstrap





datepicker-popup Directive

Download UI Bootstrap (http://angular-ui.github.io/bootstrap/)

Add ui-bootstrap-tpls-0.11.0.js to the project

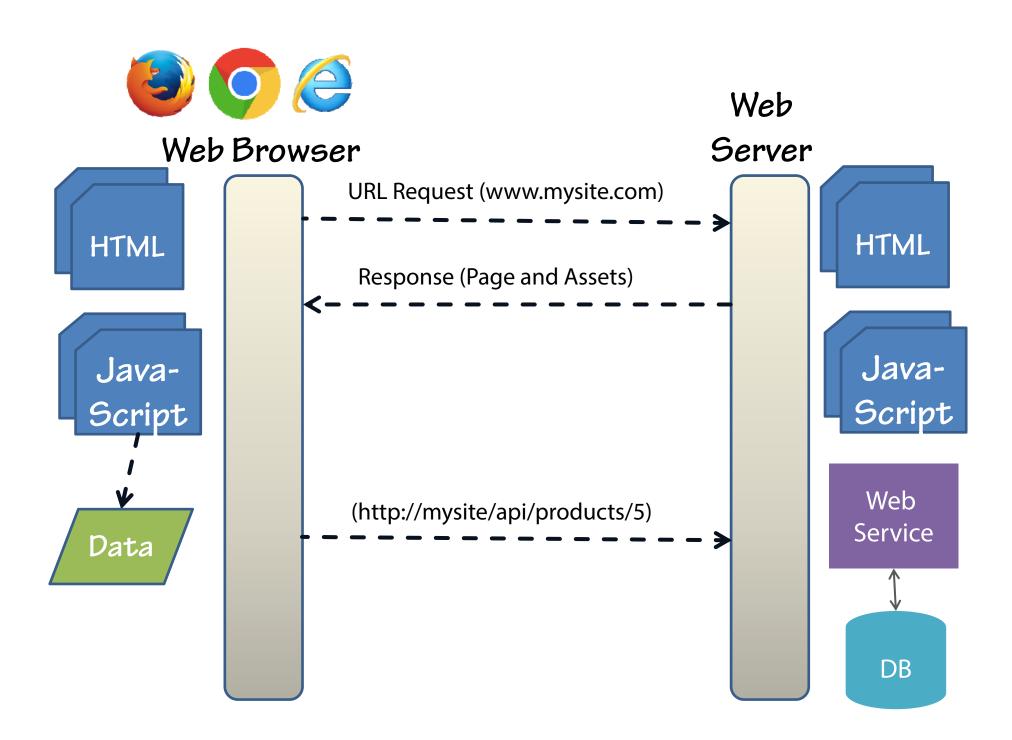
Add a reference in index.html

Add a dependency on ui.bootstrap

Add the datepicker-popup directive

datepicker-popup Directive

```
<div class="form-group">
  <label class="col-md-2 control-label"</pre>
         for="inputAvailabilityDate">Availability</label>
  <di v class="col-md-4">
    <div class="input-group">
      <input class="form-control"</pre>
             id="inputAvailabilityDate"
             type="date"
             datepicker-popup="MMM dd, yyyy" />
      <span class="input-group-btn">
        <button class="btn btn-default">
          <i class="glyphicon glyphicon-calendar"/>
        </button>
      </span>
    </di v>
  </di v>
</di v>
```



Saving Data



Resource for Communication with the Web Server

```
function productResource($resource) {

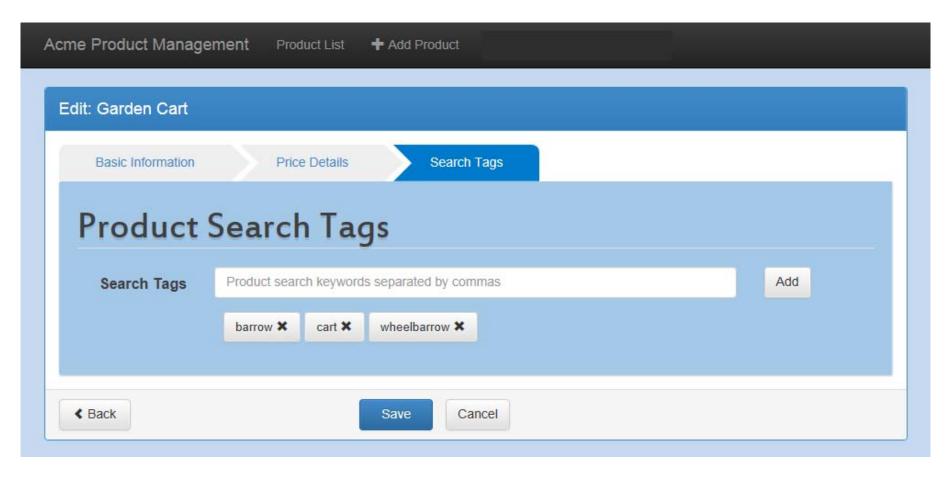
Mætkrof $hesResæ(reapUrproducts/: productId")
}
```

```
$httpBackend.whenPOST(productUrl).respond
Ul Elen(@unction (method, url, data) {
}
```

Submit Function

Submit Method

Search Tags Form



Summary

Using \$resource makes it easier

Nested route states simplify binding

ngModel is magic

Module Objectives













Angular Line of Business Applications

