Chapter 5

***Listing 5-1.*** product-detail.html, a Basic Product Detail Page

<!DOCTYPE html >

<html ng-app="myAppModule">

<head>

<title></title>

<script src="js/angular.js"></script>

<script src="js/myAppModule.js"></script>

<style>

body {

font-family: "Lucida Grande", "Lucida Sans Unicode", Helvetica, Arial, sans-serif;

}

div { margin: 20px; padding: 20px; font-size: 16px; color:#ffffff;

}

#red {

background-color: red;

}

#green {

background-color: green;

}

#blue {

background-color: blue;

}

#purple {

background-color: purple;

}

#gray {

background-color: gray;

}

#olive {

background-color: olive;

}

</style>

</head>

<body ng-controller="myProductDetailCtrl">

<h2>AngularJS Socks</h2>

<p>Keep warm this winter with our 100% wool, 100% cool, AngularJS socks!</p>

<button ng-click="showHideColors()" type="button">

{{isHidden ? 'Show Available Colors' : 'Hide Available Colors'}}

</button>

<div id="red" ng-hide="isHidden">Red</div>

<div id="green" ng-hide="isHidden">Green</div>

<div id="blue" ng-hide="isHidden">Blue</div>

<div id="purple" ng-hide="isHidden">Purple</div>

<div id="gray" ng-hide="isHidden">Dark Slate Gray</div>

<div id="olive" ng-hide="isHidden">Olive</div>

</body>

</html>

***Listing 5-2.*** The myAppModule.js Application Module

// Create the module

angular.module('myAppModule', []);

// configure the module with a controller

angular.module('myAppModule').controller('myProductDetailCtrl', function ($scope) {

// Hide colors by default

$scope.isHidden = true;

// a function, placed into the scope, which

// can toggle the value of the isHidden variable

$scope.showHideColors = function () {

$scope.isHidden = !$scope.isHidden;

}

}

);

***Listing 5-3.*** include-me.html

<p>Thanks for visiting our website!</p>

***Listing 5-4.*** includes-in-action.html

<!DOCTYPE html>

<html>

<head>

<title></title>

</head>

<body>

<h1>Includes in Action</h1>

<p> You should see the inluded files contents below</p>

**<div ng-include="'include-me.html'"></div>**

</body>

</html>

***Listing 5-5.*** Using ngRepeat with Some of the Built-in Variables

<h2>My Favourite Cities</h2>

<div ng-repeat="city in ['Liverpool','Perth','Sydney','Dublin','Paris']">

{{$index}}. {{city}}

{{$first ? '(This is the first row)' : ''}} {{$last ? '(This is the last row)' : ''}}

</div>

***Listing 5-6.*** The colorList Directive in Use

<!DOCTYPE html >

<html ng-app="myAppModule">

<head>

<title>A Custom Directive</title>

<script src="js/angular.min.js"></script>

<script src="myAppModule.js"></script>

</head>

<body ng-controller="myDemoCtrl">

<h2>AngularJS Socks</h2>

<p>Keep warm this winter with our 100% wool, 100% cool, AngularJS socks!</p>

**<div color-list colors="colorsArray"></div>**

</body>

</html>

***Listing 5-7.*** Configuring a Directive myAppModule.directive('colorList', function () {

return {

restrict: 'AE', template:

"<button ng-click='showHideColors()' type='button'>"

+ "{{isHidden ? 'Show Available Colors' : 'Hide Available Colors'}}"

+ "</button><div ng-hide='isHidden' id='colorContainer'>"

+ "</div>"

}

});

***Listing 5-8.*** The Value of the template Option

<button ng-click='showHideColors()' type='button'>

{{isHidden ? 'Show Available Colors' : 'Hide Available Colors'}}

</button>

<div ng-hide='isHidden' id='colorContainer'></div>

***Listing 5-9.*** The link Function link: function ($scope, $element) {

// set default state of hide/show

$scope.isHidden = true;

// add function to manage hide/show state

$scope.showHideColors = function () {

$scope.isHidden = !$scope.isHidden;

}

// DOM manipulation

var colorContainer = $element.find('div');

angular.forEach($scope.$parent.colorsArray, function (color) {

var appendString = "<div style='background-color:" + color + "'>" + color + "</div>";

colorContainer.append(appendString); });

}

***Listing 5-10.*** product-detail.html, Revised to Use a Custom Directive

<!DOCTYPE html >

<html ng-app="myAppModule">

<head>

<title></title>

<script src="<https://ajax.googleapis.com/ajax/libs/angularjs/1.2.21/angular.min.js>"></script>

<script src="/compass/src/js/myAppModule.js"></script>

<style>

#colorContainer div { color: white;

text-transform: uppercase;

width: 200px; padding: 10px; margin:5px; border-radius: 5px;

-moz-border-radius: 5px;

}

</style>

</head>

<body ng-controller="myDemoCtrl">

<h2>AngularJS Socks</h2>

<p>Keep warm this winter with our 100% wool, 100% cool, AngularJS socks!</p>

**<div color-list colors="colorsArray"></div>**

</body>

</html>

***Listing 5-11.*** The Application Module Containing Our Directive Registration and Our Controller

// declare a module

var myAppModule = angular.module('myAppModule', []);

myAppModule.controller('myDemoCtrl', function ($scope) {

**$scope.colorsArray = ['red', 'green', 'blue', 'purple', 'olive']**

}

);

myAppModule.directive('colorList', function ($compile) {

return {

restrict: 'AE',

template: "<button ng-click='showHideColors()' type='button'>"

+ "{{isHidden ? 'Show Available Colors' : 'Hide Available Colors'}}"

+ "</button><div ng-hide='isHidden' id='colorContainer'>"

+ "</div>",

link: function ($scope, $element) {

// set default state of hide/show

$scope.isHidden = true;

// add function to manage hide/show state

$scope.showHideColors = function () {

$scope.isHidden = !$scope.isHidden;

}

// add colors divs to the document var colorContainer = $element.find('div'); angular.forEach(**$scope.colorsArray**, function (color) {

var appendString = "<div style='background-color:" + color + "'>" + color + "</

div>";

colorContainer.append(appendString);

});

}

};

});