Chapter 8

***Listing 8-1.*** Adding a Reference to the ngRoute Module

<!DOCTYPE html>

<html ng-app="myApp">

<head>

<title></title>

<script src="angular.js"></script> **<script src="angular-route.js"></script>**

</head>

<body>

<!-- body code here -->

</body>

</html>

***Listing 8-2.*** A Simple Route

$routeProvider.when('/about',

{

templateUrl: 'pages/about.html', controller: 'aboutController'

});

***Listing 8-3.*** index.html, the Entry Page for Our Demo Web Site

<!DOCTYPE html>

<html ng-app="app">

<head>

<link rel="stylesheet" href="//netdna.bootstrapcdn.com/bootstrap/3.0.0/css/bootstrap.min.css"/>

<link rel="stylesheet" href="//netdna.bootstrapcdn.com/font-awesome/4.0.0/css/font-awesome.css"/> <script src="angular.min.js"></script>

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

<script>

var app = angular.module('app', [**'ngRoute'**]); app.config(function ($routeProvider) {

// configure the routes

$routeProvider

.when('/', {

// route for the home page templateUrl: 'pages/home.html', controller: 'homeController'

})

.when(' pages/about', {

// route for the about page templateUrl: 'pages/about.html', controller: 'aboutController'

})

.when('pages/contact/', {

// route for the contact page templateUrl: 'pages/contact.html', controller: 'contactController'

})

.otherwise({

// when all else fails

templateUrl: 'pages/routeNotFound.html', controller: 'notFoundController'

});

});

app.controller('homeController', function ($scope) {

$scope.message = 'Welcome to my home page!';

});

app.controller('aboutController', function ($scope) {

$scope.message = 'Find out more about me.';

});

app.controller('contactController', function ($scope) {

$scope.message = 'Contact us!';

});

app.controller('notFoundController', function ($scope) {

$scope.message = 'There seems to be a problem finding the page you wanted';

$scope.attemptedPath = $location.path();

});

</script>

</head>

<body ng-controller="homeController">

<header>

<nav class="navbar navbar-default">

<div class="container">

<div class="navbar-header">

<a class="navbar-brand" href="/">My Website</a>

</div>

<ul class="nav navbar-nav navbar-right">

<li><a href="#"><i class="fa fa-home"></i> Home</a></li>

<li><a href="#about"><i class="fa fa-shield"></i> About</a></li>

<li><a href="#contact"><i class="fa fa-comment"></i> Contact</a></li>

</ul>

</div>

</nav>

</header>

<div id="main">

<!-- this is where content will be injected --> **<div ng-view></div>**

</div>

</body>

</html>

***Listing 8-4.*** The HomePage, home.html

<div class="jumbotron text-center">

<h1>Home Page</h1>

<p>{{ message }}</p>

<div>

</div>

</div>

***Listing 8-5.*** The About Page, about.html

<div class="jumbotron text-center">

<h1>About Page</h1>

<p>{{ message }}</p>

<div>

</div>

</div>

***Listing 8-6.*** The Contact Page, contact.html

<div class="jumbotron text-center">

<h1>Contact Page</h1>

<p>{{ message }}</p>

<div>

</div>

</div>

***Listing 8-7.*** The Route Not Found View Template, routeNotFound.html

<div class="jumbotron text-center">

<h1>This is not good</h1>

<p>{{message}}</p>

<pclass="has-error">{{attemptedPath}}</p>

</div>

***Listing 8-8.*** The Navigation Links in Our Entry Page, index.html

<ul class="nav navbar-nav navbar-right">

<li><a **href="#"**><i class="fa fa-home"></i> Home</a></li>

<li><a **href="#about"**><i class="fa fa-shield"></i> About</a></li>

<li><a **href="#contact"**><i class="fa fa-comment"></i> Contact</a></li>

</ul>

***Listing 8-9.*** The index.html Route Configuration var app = angular.module('app', ['ngRoute']); app.config(function ($routeProvider) {

// configure the routes

$routeProvider

.when('/', {

// route for the home page templateUrl: 'pages/home.html',

controller: 'homeController'

})

.when('/pages/about', {

// route for the about page templateUrl: 'pages/about.html',

controller: 'aboutController'

})

.when('/pages/contact/', {

// route for the contact page templateUrl: 'pages/contact.html',

controller: 'contactController'

})

.otherwise({

// when all else fails

templateUrl: '/pages/routeNotFound.html',

controller: 'notFoundController'

});

});

***Listing 8-10.*** The Controllers for Our View Templates app.controller('homeController', function ($scope) { $scope.message = 'Welcome to my home page!';

});

app.controller('aboutController', function ($scope) {

$scope.message = 'Find out more about me.';

});

app.controller('contactController', function ($scope) {

$scope.message = 'Contact us!';

});

app.controller('notFoundController', function ($scope) {

$scope.message = 'There seems to be a problem finding the page you wanted';

$scope.attemptedPath = $location.path();

***Listing 8-11.*** The Revised Contact View Template

<div class="jumbotron text-center">

<h1>Contact Page</h1>

<form style="width:25%;margin:auto;" role="form">

<div class="form-group">

<input ng-model="subject" type="text" class="form-control" id="subject" placeholder="Subject">

</div>

<div class="form-group">

<textarea class="form-control" id="message" placeholder="Message"></textarea>

</div>

<button type="submit" class="btn btn-default">Send Message</button>

</form>

</div>

</div>

***Listing 8-12.*** The Revised About View Template

<div class="jumbotron text-center">

<h1>About Page</h1>

<p>If you want to learn more about us <a href="**#/contact/learn**">please let us know</a>.</p>

<p>If you want a free quote give us a call or inquire through <a href="**#/contact/quote**"> our contact form</a>.</p>

</div>

***Listing 8-13.*** Additional Route Definition for the Contact View Template

// route for the contact page with subject param

.when('/contact/**:subject**', { templateUrl: 'pages/contact.html', controller: 'contactController'

})  
  
***Listing 8-14.*** The Revised contactController app.controller('contactController', function ($scope, **$routeParams**) {

var subject = '';

if (**$routeParams ['subject']** == "learn") {

subject = 'I want to learn more about your services';

} else if (**$routeParams ['subject']** == "quote") { subject = 'I would like to get a free quote';

}

$scope.subject = subject;

});

***Listing 8-15.*** Creating URLs That Contain Route Parameter Values

<div class="jumbotron text-center">

<h1>About Page</h1>

<p>If you want to learn more about us <a href="**#/contact/learn**">please let us know</a>.</p>

<p>If you want a free quote give us a call or inquire through <a href="**#/contact/quote**"> our contact form</a>.</p>

</div>

***Listing 8-16.*** The Revised Routes Configuration app.config(function ($routeProvider) {

// configure the routes

$routeProvider

// route for the home page

.when('/', {

templateUrl: 'pages/home.html', controller: 'homeController'

})

// route for the about page

.when('/about', {

templateUrl: 'pages/about.html', controller: 'aboutController'

})

// route for the contact page

.when('/contact', {

templateUrl: 'pages/contact.html', controller: 'contactController'

})

// route for the contact page with subject param

.when('/contact/:subject', { templateUrl: 'pages/contact.html', controller: 'contactController'

})

// when all else fails

.otherwise({

templateUrl: 'pages/routeNotFound.html', controller: 'notFoundController'

});

});

***Listing 8-17.*** The Template Option

.otherwise({

template: '<h1>Oops</h1>' +

'<p>Sorry, page not found</p>'

});

***Listing 8-18.*** A Dynamic templateUrl Value

when('/portfolio', {

templateUrl: function () {

// create a number between 1 and 10

var num = Math.floor((Math.random() \* 10) + 1);

// use this number to produce a path

// to one of the ten view templates return **'pages/portfolio' + num + '.html'**;

},

controller: 'contactController'

});