Chapter 9

***Listing 9-1.*** A Basic Transform

<!DOCTYPE html>

<html>

<head>

<title>Basic Transform</title>

<style>

#square { width: 150px; height: 150px; margin:4em;

border: solid 3px green; background-color: red; }

#square:hover { **transform: scale(1.3) rotate(20deg);**  }

</style>

</head>

<body> **<div id="square"></div>**

</body>

</html>

***Listing 9-2.*** Transitions in Action

<!DOCTYPE html>

<html>

<head>

<title>A basic Transition</title>

<style>

.navButton { width: 100px; text-align: center; padding: .3em; background-color: orange;

color: #000000;

**/\* Transition width, color and background-color**

**over half a second. \*/**

**transition: width .5s, color .5s, background-color .5s**

}

.navButton:hover { width: 110px; background-color: green; color: #ffffff;

}

</style>

</head>

<body>

<div class="**navButton**"> Home </div>

<div class="**navButton**"> About Us </div>

<div class="**navButton**"> Contact Us </div>

</body>

</html>

***Listing 9-3.*** Combining Transform and Transition

<!DOCTYPE html>

<html>

<head>

<title>Transform and Transition</title>

<style>

.navButton { width: 100px; text-align: center; padding: .3em; background-color: orange;

color: #000000; **transition: all .5s;**  }

.navButton:hover { width: 110px; background-color: green; color: #ffffff; **transform:rotate(-6deg);**

}

</style>

</head>

<body>

<div class="navButton"> Home </div>

<div class="navButton"> About Us </div>

<div class="navButton"> Contact Us </div>

</body>

</html>

<!DOCTYPE html>

<html ng-app="app">

<head>

<title>Applying animations</title>

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

<script>

var app = angular.module('app', [**'ngAnimate'**]); app.controller('homeController', function ($scope) {

$scope.on = false;

});

</script>

<style>

**/\* starting \*/**

.my-first-animation.ng-enter { transition: .5s all; opacity: 0; }

**/\* ending \*/**

.my-first-animation.ng-enter.ng-enter-active {

opacity: 1;

}

</style>

</head>

<body ng-controller="homeController">

<button ng-click="on=!on">Toggle Content</button>

<div class="my-first-animation" ng-if="on"> This content will fade in over half a second.

</div>

</body>

</html>

***Listing 9-4.*** A Basic Fade-in Animation, animate-one.html

<!DOCTYPE html>

<html ng-app="app">

<head>

<title>Applying animations</title>

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

<script>

var app = angular.module('app', [**'ngAnimate'**]); app.controller('homeController', function ($scope) {

$scope.on = false;

});

</script>

<style>

**/\* starting \*/**

.my-first-animation.ng-enter { transition: .5s all; opacity: 0; }

**/\* ending \*/**

.my-first-animation.ng-enter.ng-enter-active {

opacity: 1;

}

</style>

</head>

<body ng-controller="homeController">

<button ng-click="on=!on">Toggle Content</button>

<div class="my-first-animation" ng-if="on"> This content will fade in over half a second.

</div>

</body>

</html>

***Listing 9-5.*** Sliding Content Animation, animate-two.html.

<!DOCTYPE html>

<html ng-app="app">

<head>

<title>Applying animations</title>

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

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

<script>

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

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

$scope.templates =

[

{ name: 'Catie Grant', url: 'catie-grant.html'},

{ name: 'Tara Court', url: 'tara-court.html'}

];

$scope.template = $scope.templates[0];

}]);

</script>

</head>

<body>

<div ng-controller="homeController">

<select ng-model="template" ng-options="t.name for t in templates">

<option value=""> none</option>

</select>

<div class="my-slide-animation-container">

<div class="my-slide-animation" ng-include="template.url"></div>

</div>

</div>

</body>

</html>

***Listing 9-6.*** First Set of Content, catie-grant.html

<div>

<h2>Catie Grant</h2>

<p>Catie joined the company in 1998. She enjoys netball and hanging out with Tara.</p>

</div>

***Listing 9-7.*** Second Set of Content, tara-court.html.

<div>

<h2>Tara Court</h2>

<p>Tara joined the company in 2004. She enjoys basketball and hanging out with Catie.</p>

</div>

***Listing 9-8.*** The CSS Animation Code

.my-slide-animation-container { position: relative; border: 1px solid black;

height: 120px; overflow: hidden; }

.my-slide-animation { padding-left: 5px; }

/\* set up the transition and position rules for enter and leave events \*/

.my-slide-animation.ng-enter, .my-slide-animation.ng-leave {

transition: all ease-in 0.5s;

position: absolute;

top: 0; left: 0; right: 0; bottom: 0;

}

/\* enter event - start class \*/

.my-slide-animation.ng-enter {

top: -50px; }

/\* enter event - end class, leave event - start class \*/

.my-slide-animation.ng-enter.ng-enter-active, .my-slide-animation.ng-leave {

top: 0; }

/\* leave event - end class \*/

.my-slide-animation.ng-leave.ng-leave-active {

top: 100px; }