Building Apps with AngularJS and Breeze Part 1

Animations with Angular and CSS

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Starting with Animations

ngAnimate Dependency

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

Your module must depend on ngAnimate

ngAnimate module was added in Angular 1.2

ngAnimate directive was deprecated in Angular 1.2

Creating Animations

Animation Checklist

Include the ngAnimate Module

Know What You Are Animating

Know the Naming Conventions

Create CSS

CSS Conventions (ngHide and ngShow)

"**add**" when new content is being added

"**remove**" when old content is being removed

ngHide and ngShow

	Starting CSS	Ending CSS
hide	.ng-hide-add	.ng-hide-add-active
show	.ng-hide-remove	.ng-hide-remove-active

Conventions (ngView, ngIf, ngInclude, ngRepeat)

"enter" when new content is animating in

"leave" when old content is animating out

"move" when content is moved

ngRepeat, ngInclude, ngIf, ngView

	Starting CSS	Ending CSS
enter	.ng-enter	.ng-enter-active
leave	.ng-leave	.ng-leave-active
move	.ng-move ✹	.ng-move-active

.ng-move only applies to ng-repeat

ngRepeat Animations

```css
.fader-animation.ng-enter,
.fader-animation.ng-move,
.fader-animation.ng-leave {
    -webkit-transition: linear all 0.5s;
    -moz-transition: linear all 0.5s;
    -o-transition: linear all 0.5s;
    transition: linear all 0.5s;
    position: relative;
}

.fader-animation.ng-enter,
.fader-animation.ng-leave.ng-leave-active {
    opacity: 0;
}

.fader-animation.ng-leave,
.fader-animation.ng-enter.ng-enter-active,
.fader-animation.ng-move.ng-move-active {
    opacity: 1;
}

.fader-animation.ng-move {
    opacity:0.5;
}
```

Use these transitions

Enter with opacity 0

End the entrance at opacity 1

ngRepeat Animations

```css
.fader-animation.ng-enter,
.fader-animation.ng-move,
.fader-animation.ng-leave {
    -webkit-transition: linear all 0.5s;
    -moz-transition: linear all 0.5s;
    -o-transition: linear all 0.5s;
    transition: linear all 0.5s;
    position: relative;
}

.fader-animation.ng-enter,
.fader-animation.ng-leave.ng-leave-active {
    opacity: 0;
}

.fader-animation.ng-leave,
.fader-animation.ng-enter.ng-enter-active,
.fader-animation.ng-move.ng-move-active {
    opacity: 1;
}

.fader-animation.ng-move {
    opacity:0.5;
}
```

End the leave at opacity 0

Start to leave at opacity 1

Resources

JavaScript Animations

Keyframe Animations

year of moo

@yearofmoo

http://www.yearofmoo.com

http://jpapa.me/yomanimations