AngularJS Built-in Directives (Part 2)

What's Hot?

Who's excited about what right now?

Review Yesterday

Questions about ngClass, ngStyle, ngIf, ngShow, ngHide, ngSwitch, ngRepeat, ngOptions?

Today

ngClick, ngMouse*, ngKey*, ngChange, ngFocus, ngBlur, ngHref, ngSrc

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ngClick (& ngInit)

Allows you to specify custom behavior when an element is clicked
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngClick

```
<button ng-click="count=count+1" ng-init="count=0">
    Click Me
</button>
count: {{ count }}
```

ngMouse*

ngMousedown, ngMouseup, ngMouseover, ngMouseenter, ngMouseleave, ngMousemove
More control for handling mouse events beyond ngClick
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngMousedown

```
<button ng-mouseenter="count=count+1"
    ng-mouseleave="count=count-1"
    ng-mousedown="count=count+10"
    ng-mouseup="count=count-10"
    ng-init="count=0">
    Mouse Tricks
</button>
count: {{ count }}
```

ngKeypress

Specify custom behavior on key events

https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngKeypress

```
<input ng-keypress="count=count+1" ng-model="value">
count: {{ count }}
```

ngKeydown, ngKeyup

Specify custom behavior on key events
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngKeydown

```
<input ng-keydown="value=$event.which" ng-keyup="value=''">
value: {{ value }}
```

ngChange

Specify custom behavior when an input is changed
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngChange

```
<input ng-change="count=value.length" ng-model="value">
value: {{ value }}
count: {{ count }}
```

ngFocus & ngBlur

Specify custom behavior when inputs are entered and exited, more control than ngChange
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngFocus
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngBlur

```
<input ng-focus="value='focus'" ng-blur="value=''" ng-model="value">
value: {{ value }}
```

ngHref

Allows you to put {{ expressions }} in an anchor href
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngHref

```
<input ng-model="value" ng-init="value='ngHref'">
<a ng-href="//code.angularjs.org/1.4.7/docs/api/ng/directive/{{ value }}">
    Docs</a>
```

ngSrc

Allows you to put {{ expressions }} in an image src
https://code.angularjs.org/1.4.7/docs/api/ng/directive/ngSrc

```
<input ng-model="value" ng-init="value='search'">
```

```
<img ng-src="//storage.googleapis.com/material-icons/
      external-assets/v2/icons/svg/ic_{{ value }}_black_48px.svg">
```

Review

ngClick, ngMouse*, ngKey*, ngChange, ngFocus, ngBlur, ngHref, ngSrc

Mini Project

Enhance your patient registration form (from yesterday) by using some of these new directives.
Spend some time making it look good with bootstrap classes (or any other UI css library).

Resources

Sample code on github:
https://github.com/MountainlandWEB/TeachingMaterials/tree/master/AngularJS/04-Directives

Tomorrow

ngClassEven, ngClassOdd, ngForm, ngSubmit, inputs, ngChecked, ngSelected, ngInclude, ngList