Directives and Views

K. Scott Allen
odetocode.com
@OdeToCode

Directives

- **$scope provides the model**

- **Model does not touch HTML**

- **Data binding moves model data to view**

- **Directives allow for indirect model view interaction**

```javascript
var MainController = function($scope) {

    $scope.message = "Hello, Angular!"

};
```

```html
        >
        <h3>{{message}}</h3>

</div>
```

```html
<form>
    Change the message:
    <input name="message" type="text" />
    <input type="submit" value"Save" />

</form>
```

```javascript
var MainController = function($scope) {

    $scope.message = "Hello, Angular!"

};
```

Filters

- **Basic format:** expression | filterName:parameter

Name	
currency	{{amount | currency:"USD$"}}
date	{{startDate | date:'short'}}
filter	repo in repos | filter:searchTerm
json	{{ repo | json }}
limitTo	repo in repos | limitTo:10
lowercase, uppercase	{{ user.name | uppercase }}
number	{{ stars | number }}
orderBy	repo in repos | filter:searchTerm | orderBy:'name'

Directives!

ng-app	ng-bind	ng-blur	ng-change
ng-class	ng-click	ng-copy	ng-dblclick
ng-disabled	ng-focus	ng-hide	ng-href
ng-if	ng-include	ng-init	ng-keydown
ng-keypress	ng-keyup	ng-model	ng-mouseenter
ng-mouseleave	ng-mousemove	ng-mouseover	ng-paste
ng-repeat	ng-style	ng-switch	ng-transclude

Conclusion

- **Binding directives**

- **Model directives**

- **Event directives**

- **Display directives**

```html
<form name="searchUser" ng-submit="search(username)">
    <input type="search" required ng-model="username" />
    <input type="submit" value="Search">
</form>
```

```html
<table>
    <thead>
        <tr>
            <th>Name</th>
            <th>Stars</th>
            <th>Language</th>
        </tr>
    </thead>
    <tbody>
        <tr ng-repeat="repo in repos | orderBy:repoSortOrder">
            <td>{{repo.name}}</td>
            <td>{{repo.stargazers_count | number}}</td>
            <td>{{repo.language}}</td>
        </tr>
    </tbody>
</table>
```

```html
<div ng-include="'userdetails.html'" ng-show="users"></div>
```