

AngularJS 1 Directives

AngularJS *filter*

in index.php

```
{{ product.price | currency }}
{{product.pubdate | date}}
<div ng-repeat="product in products" class="col-md-6">
  <div class="thumbnail">
    
    <p class="title">{{ product.name }}</p>
    <p class="price">{{ product.price | currency }}</p>
    <p class="date">{{ product.pubdate | date }}</p>
  </div>
  
  <p class="likes" ng-click="plusOne($index)">{{ product.likes }}</p>
</div>
```

Controllers->

MainController.js

```
app.controller('MainController', ['$scope', function($scope) {
  $scope.title = 'The 7 habits of highly effective people';
  $scope.promo = 'Audio Book Promo';
  $scope.product = [{ name: 'The Book of Trees', price: 19,pubdate: new
Date('2014', '03', '08')},
                    { name: 'The 2nd Book of Trees', price: 29,pubdate: new
Date('2014', '03', '08')}
]
  $scope.plusOne = function(index) {
    $scope.products[index].likes += 1;
  };
}]);
```

app.js

```
var app = angular.module("myApp", []);
```

Directives —> appInfo.js:

app.directive('appInfo', function() {

return {

restrict: 'E', // the directive will be used as a new element

scope: { // will we pass information into the directive through an attribute <app-info>

info: '=' //the data info becomes available n the tomato given templateUrl

```

    },
    templateUrl: 'js/directives/appInfo.html'
  };
});
directives —> appInfo.html:

```

```


<h2 class="title">{{ info.title }}</h2>
<p class="developer">{{ info.developer }}</p>
<p class="price">{{ info.price | currency }}</p>

```

index.html:

```

<app-info info="move"></app-info>
<app-info info="shutterbug"></app-info>
<app-info info="gameboard"></app-info>

```

installApp.html:

```

<button class="btn btn-active" ng-click="download()">
  {{ buttonText }}
</button>

```

index.html:

```

<!doctype html>
<html>
  <head>
    <link href="https://s3.amazonaws.com/codecademy-content/projects/
bootstrap.min.css" rel="stylesheet" />
    <link href="css/main.css" rel="stylesheet" />

    <!-- Include the AngularJS library -->
    <script src="//ajax.googleapis.com/ajax/libs/angularjs/1.3.5/
angular.min.js"></script>
  </head>
  <body ng-app="AppMarketApp">
    <div class="header">
      <div class="container">
        <h1>App Market</h1>
      </div>
    </div>

    <div class="main" ng-controller="MainController">
      <div class="container">
        <div class="card" ng-repeat="app in apps">
          <app-info info="app"></app-info>
          <install-app></install-app>
        </div>

```

```

    </div>
</div>

<!-- Modules -->
<script src="js/app.js"></script>

<!-- Controllers -->
<script src="js/controllers/MainController.js"></script>

<!-- Directives -->
    <script src="js/directives/appInfo.js"></script>
    <script src="js/directives/installApp.js"></script>

</body>
</html>
installApp.js:
app.directive('installApp', function() {
    return {
        restrict: 'E',
        scope: {},
        templateUrl: 'js/directives/installApp.html',

        link: function(scope, element, attrs) {
            scope.buttonText = "Install",
            scope.installed = false,

            scope.download = function() {
                element.toggleClass('btn-active')
                if(scope.installed) {
                    scope.buttonText = "Install";
                    scope.installed = false;
                } else {
                    scope.buttonText = "Uninstall";
                    scope.installed = true;
                }
            }
        },
    };
});

```

Directives are a powerful way to create self-contained, interactive components. Unlike jQuery which adds interactivity as a layer on top of HTML, AngularJS treats interactivity as a native component of HTML.