



Douglas Berringer

T H E



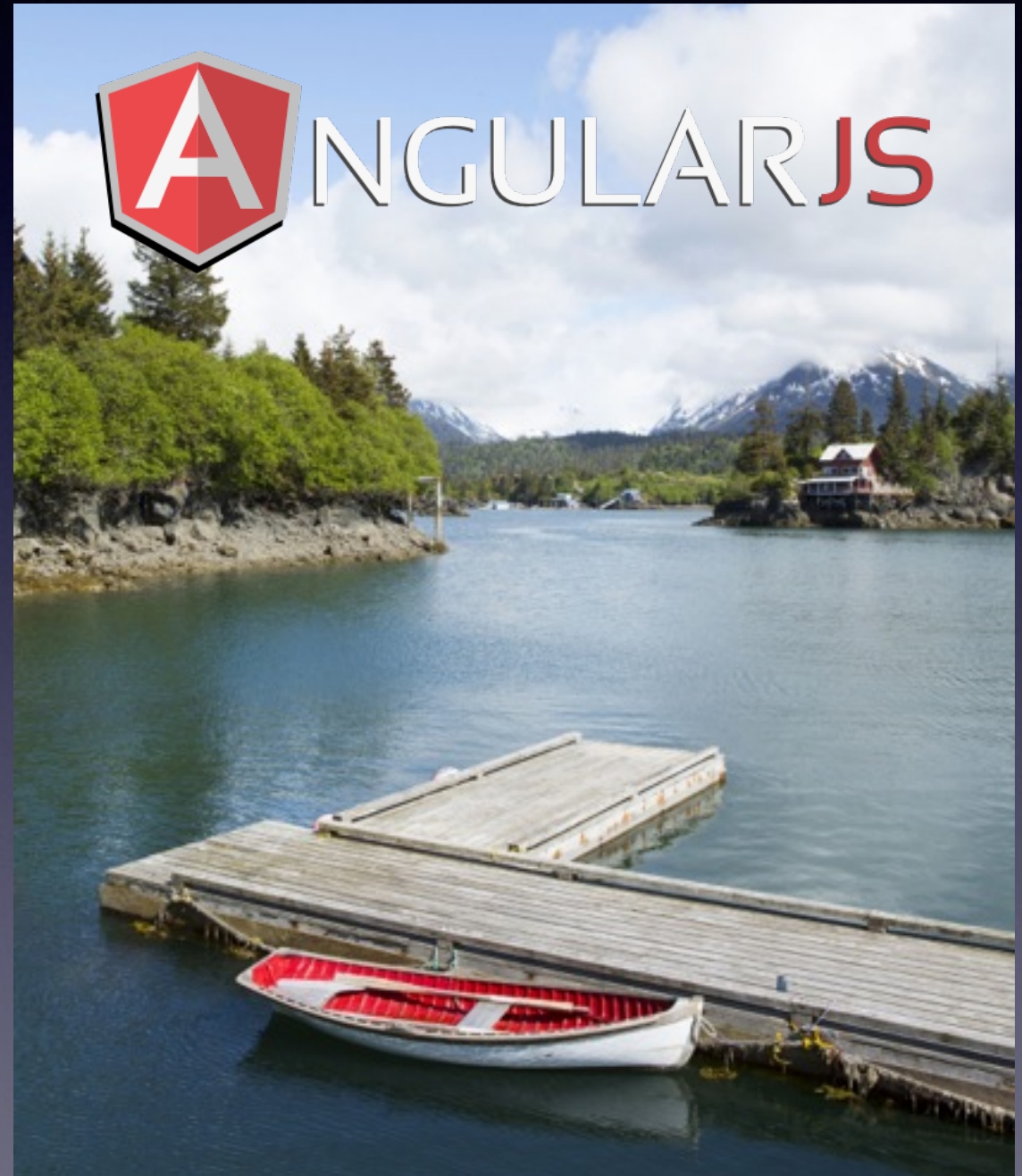
CodeSchool.com

Agenda

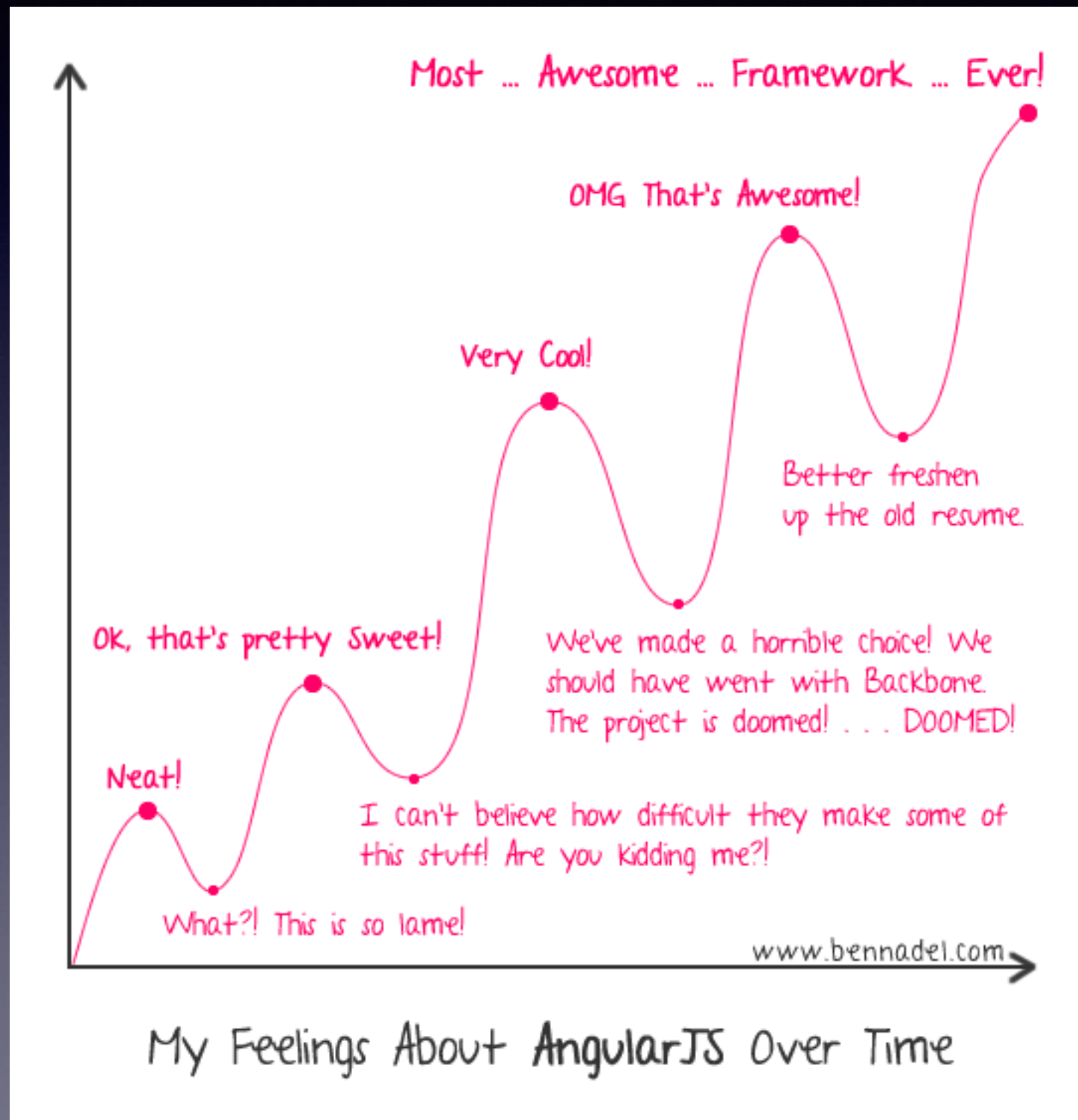
- What is Angularjs?
- Why Angular?
- How does Angular work?
- Demo ngTodoMvc
- Now What?

What is Angular?

- Open Source client side MV* javascript framework
- Assists with running single-page applications
- Created by Misko Hevery @ Google in 2009
- Directives, Databinding, Dependency Injection



What is Angular?



Why Angular

Compare

Search terms ▾

emberjs

Search term

angularjs

Search term

backbon...

Search term

knockoutjs

Search term

reactjs

Search term

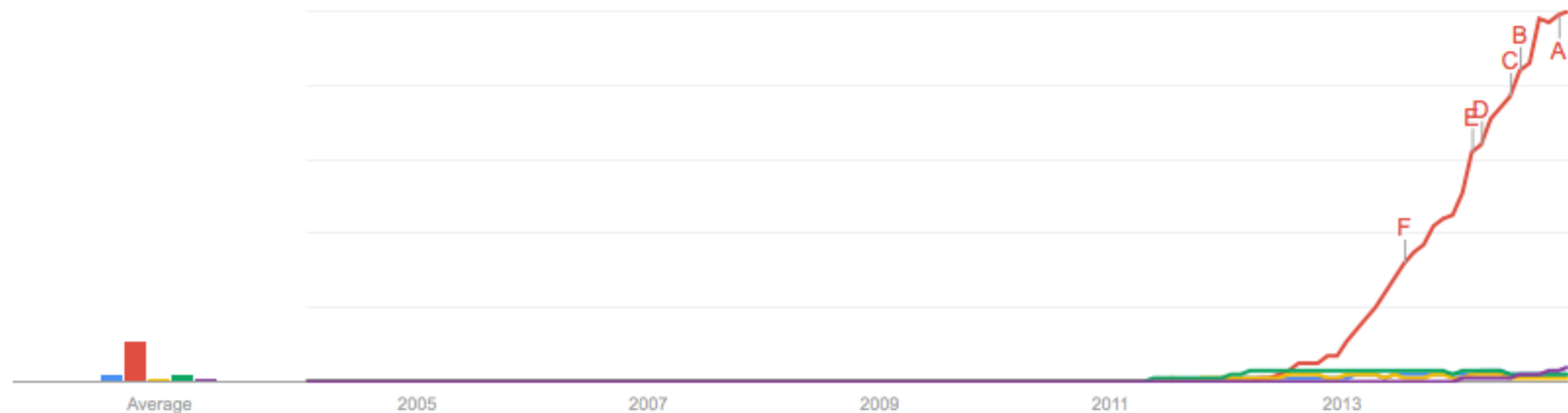
Interest over time



News headlines



Forecast



Is Angular Production Ready?

Google

Salesforce

Apple

And A Whole Lot More

Alcatel-Lucent

Intuit

T-Mobile

Virgin America

How does Angular work?

Modules

Directives

Define your own DSL

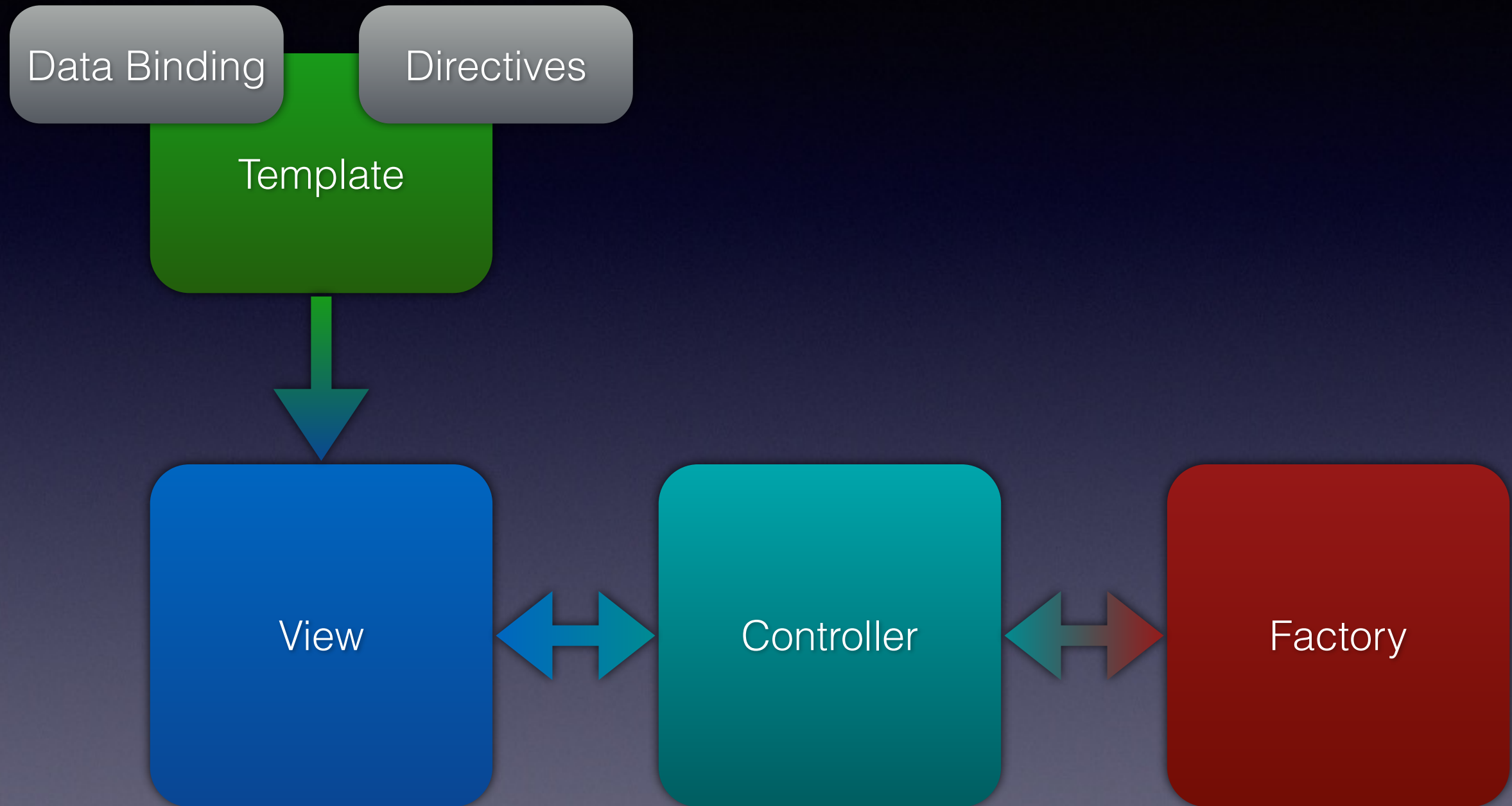
Services

Define most of your
business logic

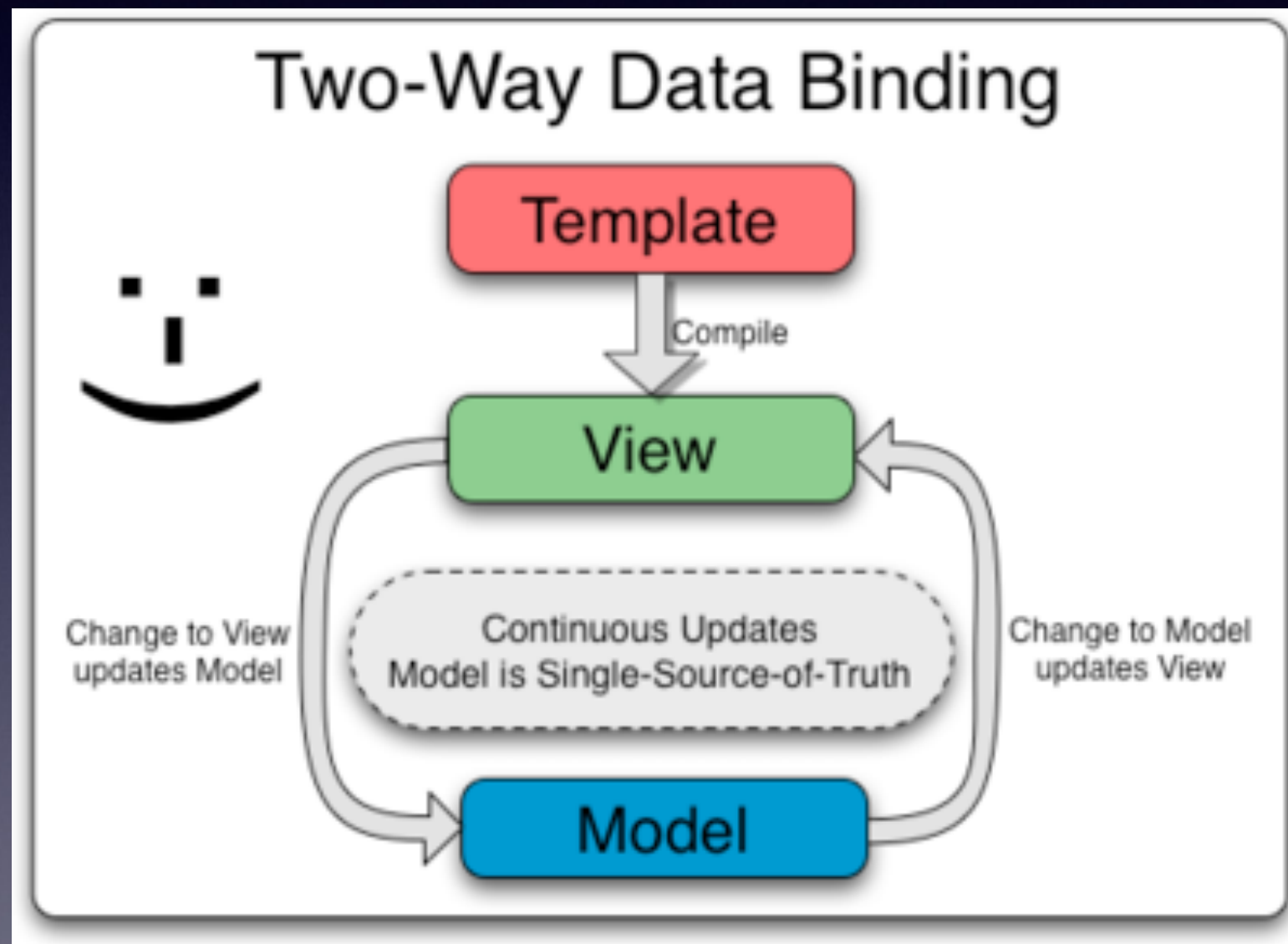
Controller

Where you glue together the
different parts of your app

How does Angular work?



Data Binding



Data Binding

```
<html ng-app>
  <head>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.8/
    angular.min.js"></script>
  </head>
  <body>
    <div>
      <label>Name:</label>
      <input type="text" ng-model="yourName" placeholder="Enter a name here">
      <hr>
      <h1>Hello {{yourName}}!</h1>
    </div>
  </body>
</html>
```

Controller

```
angular.module('myApp', [])  
  .controller('TestController', function($scope) {  
    $scope.someData = 'This is some data.';  
  
    $scope.party = function() {  
      alert('its time to dance');  
    };  
  });
```

```
<div ng-app="myApp">  
  <div ng-controller="TestController">  
    <h1>Data: {{someData}}</h1>  
    <button ng-click="party()">Dance!</button>  
  </div>  
</div>
```


Service Types

Factory

Service

Provider

Factory

```
angular.module('myApp')  
  .factory('calculator', function() {  
    return {  
      add: function(firstVal, secondVal) {  
        return firstVal + secondVal;  
      },  
      subtract: function(firstVal, secondVal) {  
        return firstVal - secondVal;  
      }  
    }  
  })
```

```
angular.module('myApp')  
  .controller('TestController', function($scope, calculator) {  
    $scope.add = function() {  
      alert("1 + 2 = " + calculator.add(1,2));  
    };  
    $scope.subtract = function() {  
      alert("5 - 4 = " + calculator.subtract(5,4));  
    };  
  });
```

Directive

```
angular.module('myApp')
```

```
.controller('Controller', function($scope) {  
  $scope.customer = {  
    name: 'Naomi',  
    address: '1600 Amphitheatre'  
  };  
});
```

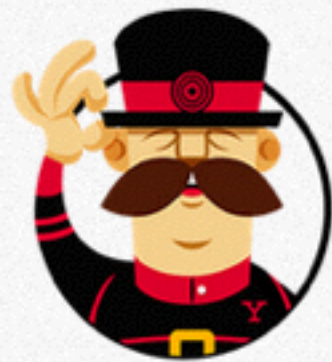
```
.directive('myCustomer', function() {  
  return {  
    restrict: 'E',  
    template: 'Name: {{customer.name}} Address: {{customer.address}}'  
  };  
});
```

```
<div ng-controller="Controller">  
  <my-customer></my-customer>  
</div>
```



```
<div ng-controller="Controller">  
  <my-customer>  
    Name: Naomi  
    Address: 1600 Amphitheatre  
  </my-customer>  
</div>
```

Demo Time!



YO



GRUNT



BOWER

Now What?

- [Angularjs.org](https://angularjs.org)
- [Youtube.com/angularjs](https://youtube.com/angularjs)
- [CodeSchool.com](https://codeschool.com)
- [Egghead.io](https://egghead.io)
- [Ionicframework.com](https://ionicframework.com)
- [Yeoman.io](https://yeoman.io)





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