

ANGULARJS

**ANGULARJS IS WHAT HTML WOULD HAVE
BEEN, HAD IT BEEN DESIGNED FOR
APPLICATIONS**

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Client **side** single page **MVC framework** in JavaScript

WHAT MAKES ANGULARJS SO POWERFUL?

TWO WAY DATA BINDING

- ▶ Possibility to change the **model** **bidirectional**
 - ▶ **HTML template** \rightarrow **model** \leftarrow **JS**

HTML

```
<input ng-model="name">  
<div>{{name}}</div>
```

app.js

```
$scope.name = 'François';
```

Resulting HTML

```
<div>François</div>
```


DIRECTIVES

Components to teach the browser
interpretation of new HTML tags

BUILD IN DIRECTIVES LIKE

ng-repeat, ng-if, ng-bind, ng-hide

HTML

```
<shopping-list  
  list="['baguette', 'fromage']">  
</shopping-list>
```

shopping-list-directive.js

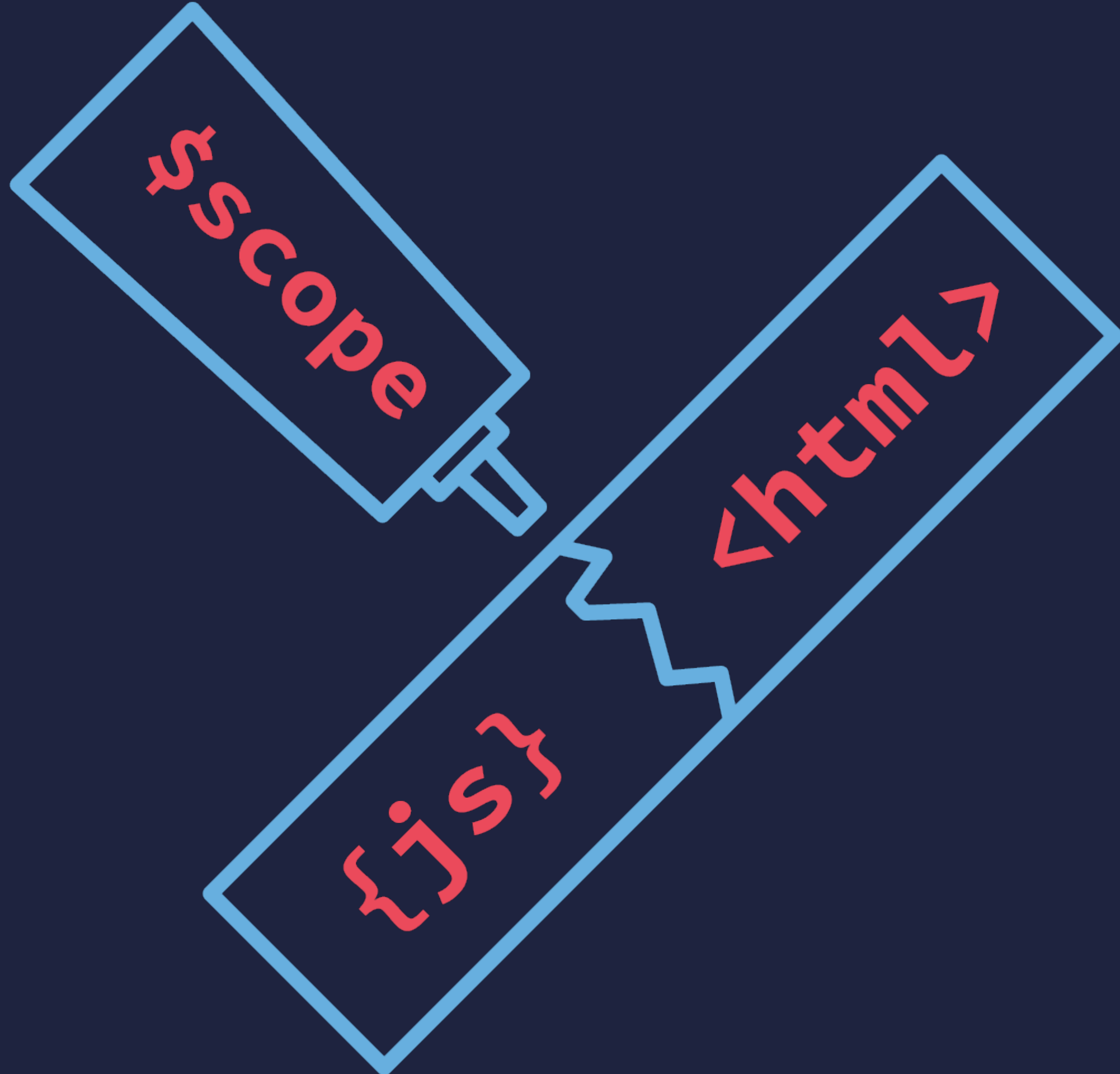
```
module.directive('shoppingList', function () {  
  
    return {  
        templateUrl: 'shopping-list.html'  
    };  
  
});
```

shopping-list.html

```
<ul>
  <li ng-repeat="item in list">
    {{item}}
  </li>
</ul>
```

Resulting HTML

```
<ul>  
  <li>baguette</li>  
  <li>fromage</li>  
</ul>
```



SCOPE 1/3

Exposes domain model to view (template)

SCOPE 2/3

AngularJS observes events (eg. input)
and applies changes to the **scope**

SCOPE 3/3

Scope hierarchy reflects DOM hierarchy

AND SO MUCH MORE...

- ▶ **Dependency Injection**
- ▶ **Strong Testability**
- ▶ **Views and Routes**
 - ▶ **Animations**
 - ▶ **Services**

by Sebastian Frösl | Small Improvements