



AngularJS

A ponte entre a web de hoje
e a web de amanhã

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escape

MORGAN

Publicidade bbb



CODE BRIGHT

DESENVOLVIMENTO DE APLICAÇÕES
WEB COM O FRAMEWORK LARAVEL 4
PARA INICIANTES



POR DAYLE REES
& LUIΣ DALMOLIN

KD

DISCLAIMER







O QUE VAMOS VER NO CURSO

- Introdução ao AngularJS
- Conceitos básicos do Angular
- Conceitos avançados do Angular
- Construir um app utilizando Angular
- Third Party Libraries

AULA 1

Introdução ao AngularJS



HTTP

Browser

Quero acessar a home

Servidor

Browser

Ok , aqui está

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Página HTML</title>
</head>
<body>
</body>
</html>
```

JSON

```
{  
    "message": "Resposta em JSON"  
}
```

HTTP STATUS CODES

200 - Sucesso.

300 - Mudou de lugar.

400 - Você fez alguma coisa errada.

500 - A gente fez alguma coisa errada.



M

angularjs



ALL

>

STORIES

PEOPLE

PUBLICATIONS

Techniques for authentication in AngularJS applications

A collection of ideas for authentication & access control



In [Opinionated AngularJS](#), by [Gert Hengeveld](#)

Mar 13, 2014 ■ 12 min read

Best Practices for Building Angular.js Apps

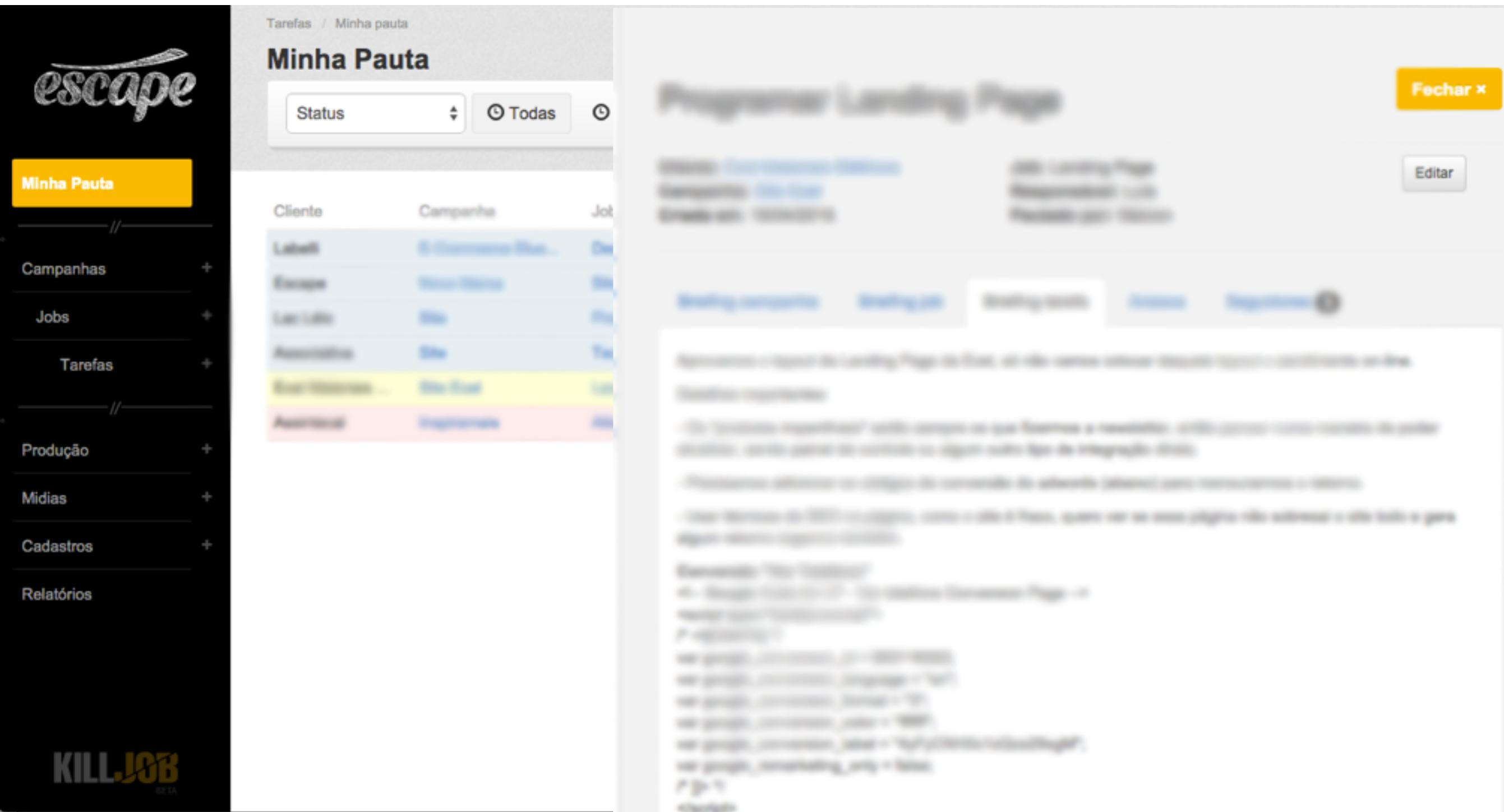
Browserify? Require.js? Doesn't Angular.js have modules?



[Jeff Dickey](#)

Jul 9, 2014 ■ 13 min read





SUPERHEROIC JAVASCRIPT MVW* FRAMEWORK

HTML enhanced for web apps!

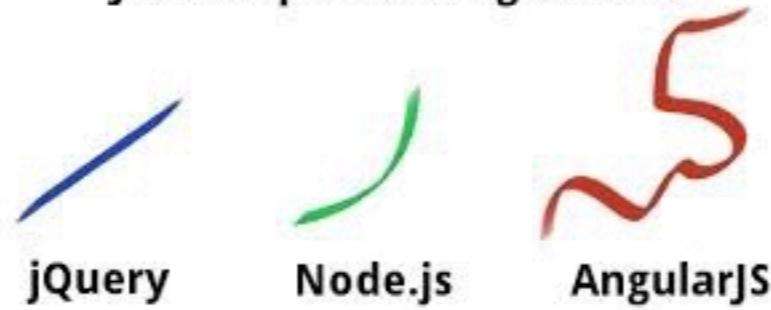
*Model View Whatever

<https://angularjs.org/>

There are only two hard things in Computer Science:
cache invalidation and naming things.

Phil Karlton

JavaScript Learning Curves





My Feelings About AngularJS Over Time



Cases

*“We use it internally for many of our applications.
One benefit is that because you can be more
productive with Angular, people get to build more
tools, and through tools you can be a more efficient”*

Misko Hevery



Minha Pauta

Campanhas

Jobs

Tarefas

Produção

Midias

Cadastros

Relatórios

KILLJOB
BETA

Tarefas / Minha pauta

Minha Pauta

Status

© Todas



Cliente	Campanha	Job
Labelli	E-Commerce Eluc...	Desenv...
Escape	Nova Marca	Site
Lac Lélo	Site	Produtos
Associativa	Site	Tecnolog...
CIGAM	Site	Versão N...
Assintecal	Inspiramais	Alterações
KillJob	Sistema de Paut...	Desenv...

Busca rápida

Cliente: KillJob

Campanha: Sistema de Pauta

Criada em: 17/04/2015

Job: Desenvolvimento

Responsável: Luís

Pautado por: Luís

Fechar x

Editar

Briefing campanha

Briefing job

Briefing tarefa

Anexos

Seguidores 1

Nenhum anexo cadastrado.

Anexos

Arraste os arquivos aqui para fazer upload



Todos os tipos de arquivo são aceitos.

Ou selecione os arquivos:

Choose Files No file chosen

Ínicio

17.04.15

Entrega

24.04.15 18:00 em 3 dias

Tempo Est.

05:00

Requisitante

Luís Dalmolin

Adicionar interação

Escreva aqui

ng**function**

angular.bind
angular.bootstrap
angular.copy
angular.element
angular.equals
angular.extend
angular.forEach
angular.fromJson
angular.identity
angular.injector
angular.isArray
angular.isDate
angular.isDefined
angular.isElement
angular.isFunction
angular.isNumber
angularisObject
angular.isString
angular.isUndefined
angular.lowercase
angular.merge
angular.module
angular.noop
angular.reloadWithDebugInfo

AngularJS API Docs

[Improve this Doc](#)

Welcome to the AngularJS API docs page. These pages contain the AngularJS reference materials for version **1.4.0-rc.0 smooth-unwinding**.

The documentation is organized into **modules** which contain various components of an AngularJS application. These components are **directives**, **services**, **filters**, **providers**, **templates**, global APIs, and testing mocks.

Angular Prefixes \$ and \$\$: To prevent accidental name collisions with your code, Angular prefixes names of public objects with `$` and names of private objects with `$$`. Please do not use the `$` or `$$` prefix in your code.

Angular Modules

ng (core module)

This module is provided by default and contains the core components of AngularJS.

Directives

This is the core collection of directives you would use in your template code to build an AngularJS application.

Some examples include: `ngClick`, `ngInclude`, `ngRepeat`, etc...

This is the core collection of services which are used within the DI of your application.

VICE
RIDECHANNEL

GOOGLEDEVELOPERS

**App Engine Office
Hours**

 Google Developers has uploaded a video

**YouTube Developers
Live**

You **Tube**

YouTube™

**Google Maps
Developers Off
Hours**



Paul Sasseman

Wrena Marks

Google Maps Developer Off

THRASHERMAGAZINE
SURFER

KICKDEX

ch...	237.75	-5.85
Liverpool	237.75	-5.85
Man City	230.38	+6.32
Arsenal	217.96	+0.98
Everton	216.04	-1.66
Southampton	213.06	-9.67
Tottenham	204.98	-10.42
Chelsea	196.09	+4.95
Swansea	194.91	+7.81
Man Utd	192.27	-8.47
Stoke	171.35	+3.77
Newcastle	158.53	+1.66
West Brom	157.04	+2.77
Cardiff	151.27	+4.44

#KXMNU

Man Utd

192.27 -8.47 (-4.22%)

#KXMNU Oct 5 '13 45:00 Sunderland 1:0 Manchester United Price: 205.21

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Aug 26 '13

Sept 14 '13

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Oct 19 '13

Nov 2 '13

Nov 24 '13

All

Season

10 Matches

5 Matches

1 Match



Dependency Injection

Services

Filters

Factories

Providers

AngularJS

Modules

Directives

Controllers

Data-Binding

O QUE VOCÊS PRECISAM SABER

HTML

Javascript

Inglês

APIs

Git / Github

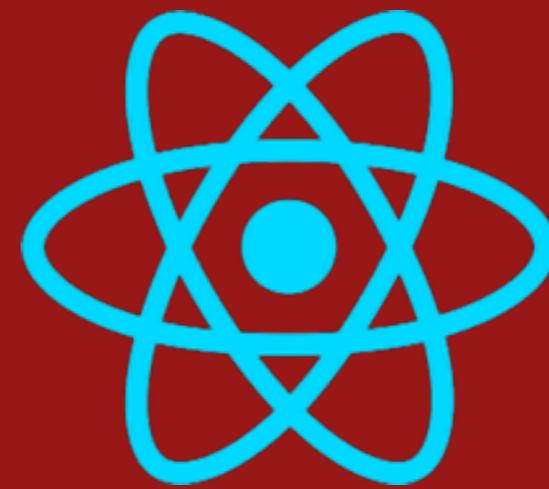
SOBRE O ANGULAR

- Open-Source
- Criado em 2009 por Miško Hevery (@mhevery)
- Mantido pelo Google
- Framework javascript que adiciona interatividade no HTML
- Single Page Apps
- Two way data-binding
- <http://angularjs.org>

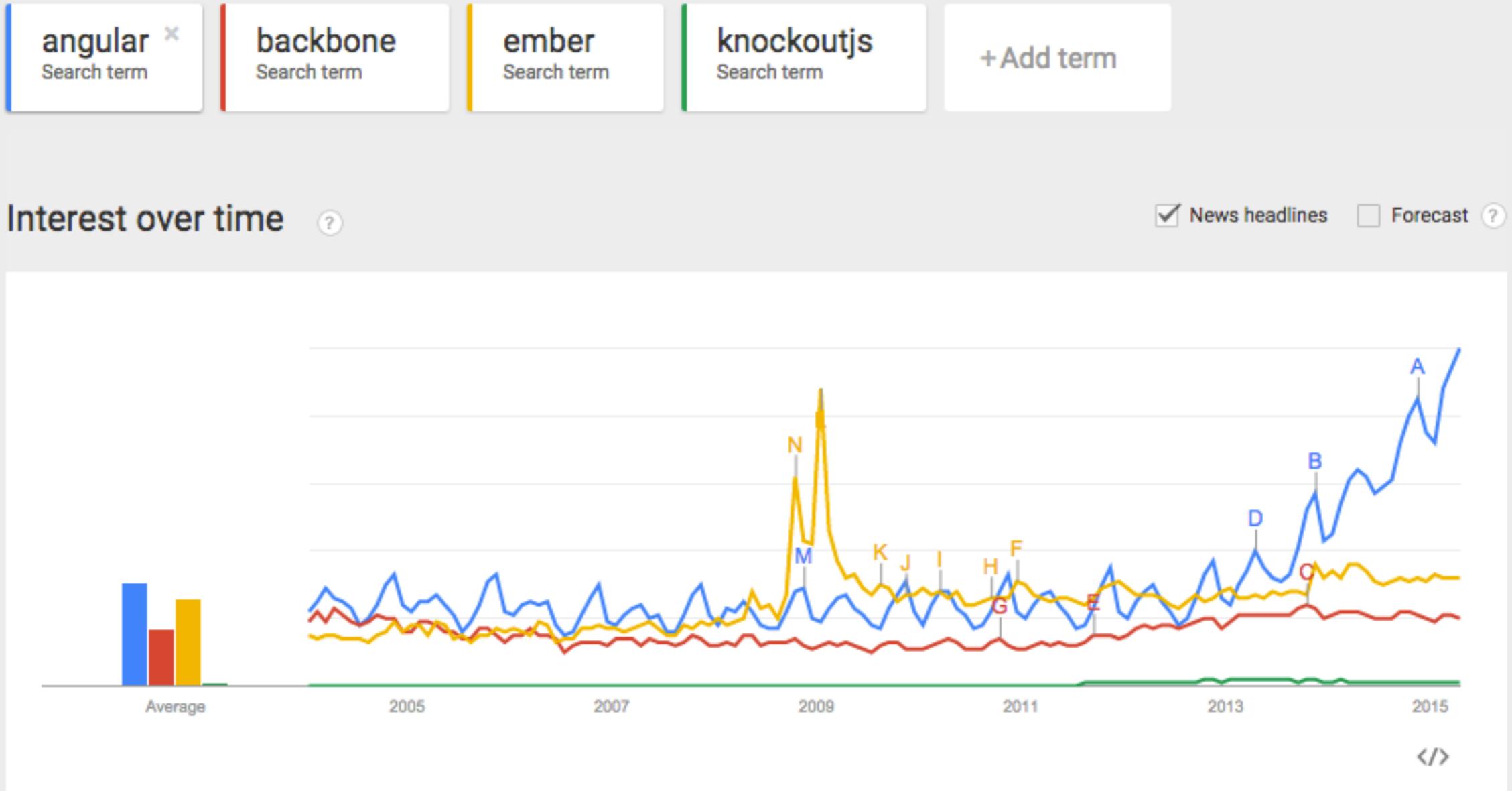
CONCORRENTES



BACKBONE.JS



Knockout.



“Angular was originally conceived as a radically more productive way for front-end developers to enhance web pages”

“O Angular foi originalmente criado como uma maneira radicalmente mais produtiva para desenvolvedores front-end ‘tunar’ suas páginas web”

Versões

<http://semver.org/lang/pt-BR/>

1.3 - Atual

1.4 - Release Candidate

2.0 - Futuro

JS

```
var person = {  
    name: 'Luís Dalmolin',  
    age: 24,  
    job: 'Developer'  
}  
  
alert(person.name);
```

```
var persons = [  
    person1,  
    person2,  
    person3  
];
```

```
$('.btn').on('click', function(e) {  
    e.preventDefault();  
});
```

COMO INICIAR

```
<!DOCTYPE html>
<html lang="en" ng-app>
<head>
  <meta charset="UTF-8">
  <title>AngularJS</title>
</head>
<body>
  <script src="//ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.js"></script>
</body>
</html>
```

<https://docs.angularjs.org/misc/downloading>

Formas de instalar/baixar

Bower

```
→ ~ bower install angular --save-dev
```

Download direto do site

CDN

No curso, vamos utilizar diretamente da CDN

`{{ "AngularJS" }}`



<html np-app>

<a ng-disabled="disabled">

Diretivas

<input ng-model="model">

<minha-tag meu-atributo="anything"></minha-tag>

~~<site>~~



```
<div ng-init="company = 'Google'">  
    {{ company }} <!-- Google -->  
</div>
```

```
<div ng-init="authorized = true">  
  <h1 ng-show="authorized">Olá!</h1>  
</div>
```

ng-if

ng-hide



Code time }}

ng-show="directives"

<http://luisdalmolin.com.br/CursoAngularJS/Aula1/diretivas.html>

```
1 var app = angular
2 .module('KillJobApp', ['ui.router', 'ngResource', 'ui.utils', 'angularFileUpload', 'doowb.angular-pusher', 'ui.select']
3 .constant('KillJobConfig', config);
4
5 // routes
6 app.run(function($rootScope, $notification, contentFactory, $authorized, ReloadService, LogoChangedService, OfflineService
7 {
8     $rootScope.$on('$stateChangeStart', function(e, page, current) {
9         if (page.subContent) {
10             contentFactory.show();
11         } else {
12             contentFactory.hide();
13         }
14     });
15
16     $rootScope.$on('content.emitClose', function(e, params) {
17         contentFactory.hide();
18         $rootScope.$emit('content.close', params);
19     });
20
21     // Verifica se usuário esta logado
22     $authorized.in();
23
24     var app = angular
25     .module('KillJobApp', ['ui.router', 'ngResource', 'ui.utils', 'angularFileUpload', 'doowb.angular-pusher', 'ui.select']
26     .constant('KillJobConfig', config);
```

JAVASCRIPT

Sem nenhum código javascript

Já fizemos algumas coisas

Módulos



MÓDULOS

- Necessários para utilizar javascript na aplicação
- Vocês podem ter múltiplos módulos em um app
- Módulos de terceiros

```
angular.module('app', []);
```

```
angular.module('app.controllers', []);
```

```
<!DOCTYPE html>

<html lang="en" ng-app="app">

<head>

    <meta charset="UTF-8">

    <title>AngularJS</title>

</head>

<body>

    <script src="//ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.js"></script>

    <script>

        var app = angular.module('app', []);

    </script>

</body>

</html>
```

Scopes

Tudo é relativo

SCOPES

- Tudo é relativo
- Normalmente utilizado com controllers
- \$rootScope
- ng-init

Controllers



CONTROLLERS

- Agora sim, javascript
- Melhorar maneira de interagir com um template
- Diretiva ng-controller
- Você pode ter quantos controllers quiser
- Eles podem conversar entre si
- Podem ser utilizados em diferentes rotas (URL's)

```
<script>

var app = angular.module('app', []);

app.controller('MainCtrl', function($scope) {
    $scope.items = [
        'Item 1',
        'Item 2',
        'Item 3'
    ];
});
```

```
<div ng-controller="MainCtrl">
    <h3 ng-repeat="item in items">{{ item }}</h3>
</div>
```

```
<script>

var app = angular.module('module', []);

app.controller('MainCtrl', function($scope) {
    $scope.onClick = function() {
        alert('ok');
    };
});

</script>
```

```
<div ng-controller="MainCtrl">
    <button ng-click="onClick()">Botão</button>
</div>
```

```
<script>  
  app.controller('FirstCtrl', function($scope) {  
    $scope.title = 'Controller 1';  
  });
```

```
  app.controller('SecondCtrl', function($scope) {  
    $scope.title = 'Controller 2';  
  });  
</script>
```

```
<div ng-controller="FirstCtrl">  
  {{ title }} <!-- Controller 1 -->  
  
<div ng-controller="SecondCtrl">  
  {{ title }} <!-- Controller 2 -->  
</div>  
</div>
```

```
<script>  
  app.controller('MainCtrl', function() {  
    this.title = 'ControllerAs';  
  });  
</script>
```

```
<div ng-controller="MainCtrl as main">  
  {{ main.title }}  
</div>
```

```
<script>

app.controller('FirstCtrl', function() {

    this.title = 'Controller 1';

});
```

```
app.controller('SecondCtrl', function() {

    this.title = 'Controller 2';

});
```

```
<div ng-controller="FirstCtrl as first">
    {{ first.title }} <!-- Controller 1 -->
```

```
<div ng-controller="SecondCtrl as second">
    {{ second.title }} <!-- Controller 2 -->
</div>

</div>
```

```
app.controller('MainCtrl', function($scope) {  
    // vamos utilizar com $scope durante a aula  
});
```



`Code time`

\$scope.controllers = [];

<http://luisdalmolin.com.br/CursoAngularJS/Aula1/controllers.html>



ng-model

<https://docs.angularjs.org/api/ng/directive/ngModel>

```
<input type="text" ng-model="name">  
<h1>Meu nome é {{ name }}</h1>
```

```
<script>
app.controller('MainCtrl', function($scope) {
  $scope.name = 'Angular';
});
</script>

<div ng-controller="MainCtrl">
  <input type="text" ng-model="Angular">
  <!-- Valor inicial: Angular -->
</div>
```

One-way data-binding

`{{ message }}`

Two-way data-binding

```
<input ng-model="name">
```



To-do app

<http://lisdalmolin.com.br/CursoAngularJS/Aula1/todo.html>



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Dreamstime.com

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\$scope.\$watch

Como detectar alteração nos valores do \$scope

```
app.controller('TasksCtrl', function($scope) {
    $scope.$watch('client_id', function(value, old_value) {
        console.log(value);
    });
});
```

</script>

```
<div ng-controller="TasksCtrl">
    <select ng-model="client_id">
        <option value="1" selected>Nasa</option>
        <option value="2" selected>Google</option>
        <option value="3" selected>Apple</option>
    </select>
</div>
```

Code time }}

\$scope.\$watch('samples')

```
1 var app = angular
2
3     .module('KillJobApp', ['ui.router', 'ngResource', 'ui.utils', 'angularFileUpload', 'doowb.angular-pusher', 'ui.select']
4
5     .constant('KillJobConfig', config);
6
7 // routes
8
9 app.run(function($rootScope, $notification, contentFactory, $authorized, ReloadService, LogoChangedService, OfflineService
10 {
11
12     $rootScope.$on('$stateChangeStart', function(e, page, current) {
13
14         if (page.subContent) {
15             contentFactory.show();
16         } else {
17             contentFactory.hide();
18         }
19
20     });
21
22
23     // Verifica se usuário esta logado
24     $authorized.init();
25
26 var app = angular
27
28     .module('KillJobApp', ['ui.router', 'ngResource', 'ui.utils', 'angularFileUpload', 'doowb.angular-pusher', 'ui.select']
29
30     .constant('KillJobConfig', config);
```

\$rootScope

[https://docs.angularjs.org/api/ng/service/\\$rootScope](https://docs.angularjs.org/api/ng/service/$rootScope)

```
<script>

app.controller('FirstCtrl', function($scope, $rootScope) {
  $rootScope.name = 'Luís Dalmolin';
});

app.controller('SecondCtrl', function($scope) {});

</script>

<div ng-controller="FirstCtrl">
  {{ name }} <!-- Luís Dalmolin -->
</div>

<div ng-controller="SecondCtrl">
  {{ name }} <!-- Luís Dalmolin -->
</div>
```

```
app.controller('MainCtrl', function($scope) {  
    $scope.$root.name = 'Luís Dalmolin';  
});
```

```
app.controller('MainCtrl', function($scope, $rootScope) {  
    $rootScope.$watch('variavel', function(value, old_value) {  
        });  
    });
```

The background image shows the Golden Gate Bridge in San Francisco, California. The bridge's iconic towers are visible on the left, and the suspension cables and roadway stretch across the frame towards the right. The sky is dark, suggesting it might be nighttime or the photo was taken during twilight. The water below the bridge reflects some light.

O que vimos hoje

Como iniciar uma aplicação Angular

ng-app script do AngularJS

Diretivas nativas do Angular

ng-app ng-show ng-hide ng-model

ng-if ng-repeat ng-controller ng-bind

\$scope e \$rootScope

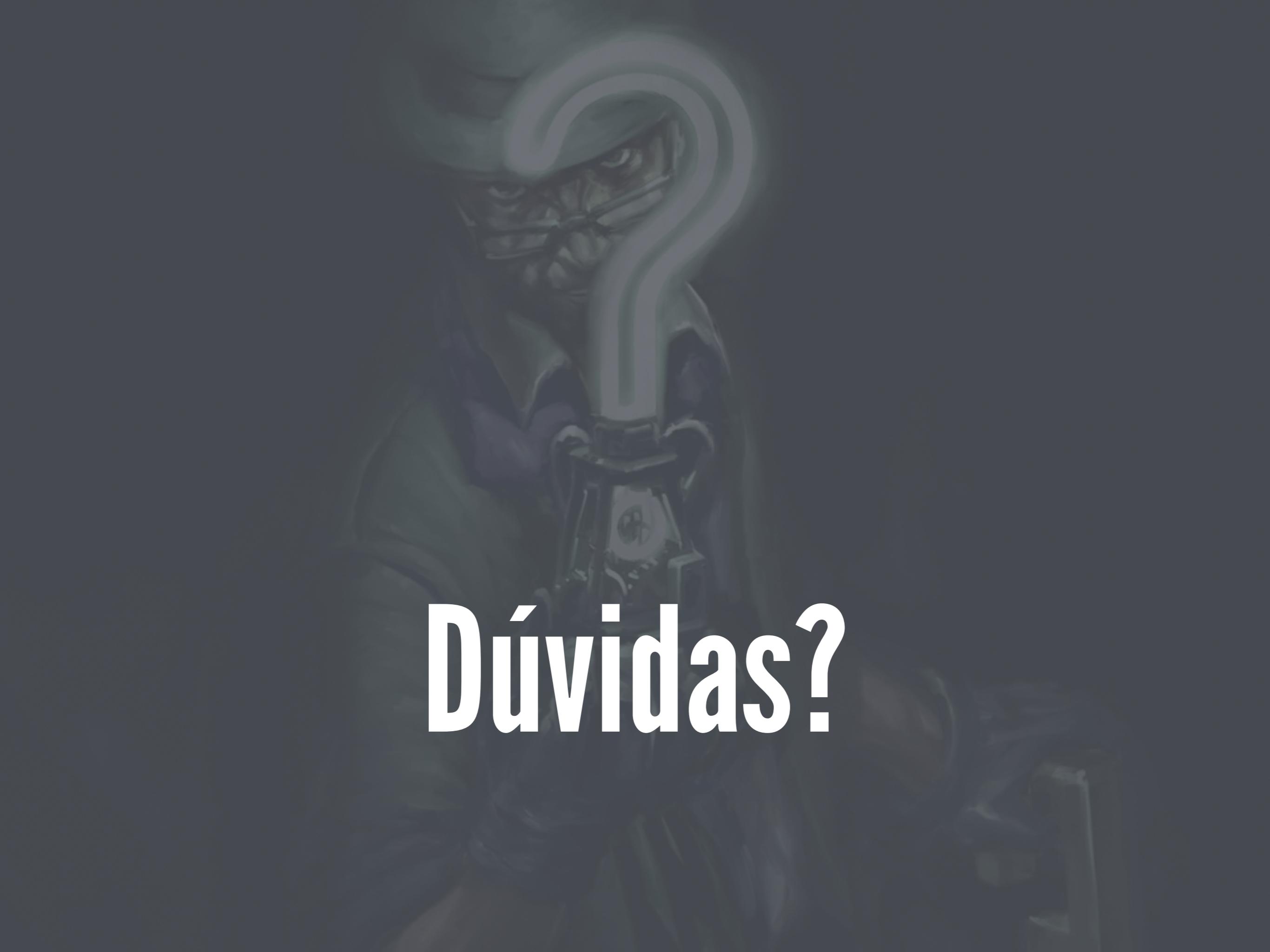
\$scope.watch

Como escrever variáveis nos templates

{{ message }}

Controllers

```
app.controller('MainCtrl', function($scope) {  
  $scope.message = 'Message';  
});
```

A black and white photograph of a man in a construction or industrial setting. He is wearing a hard hat, safety glasses, and a high-visibility vest over a long-sleeved shirt. He is looking down intently at something small and dark he is holding in his hands. The background is blurred, suggesting motion or a focus on the subject.

Dúvidas?



Feedback