



# ANGULARJS

by Google



# O que é o Angular ?

- Um framework MVC escrito em Javascript;
- Foi desenvolvido para tornar as aplicações web mais rápidas e fáceis.
- Código Fonte disponível gratuitamente no Github, pela licença MIT.

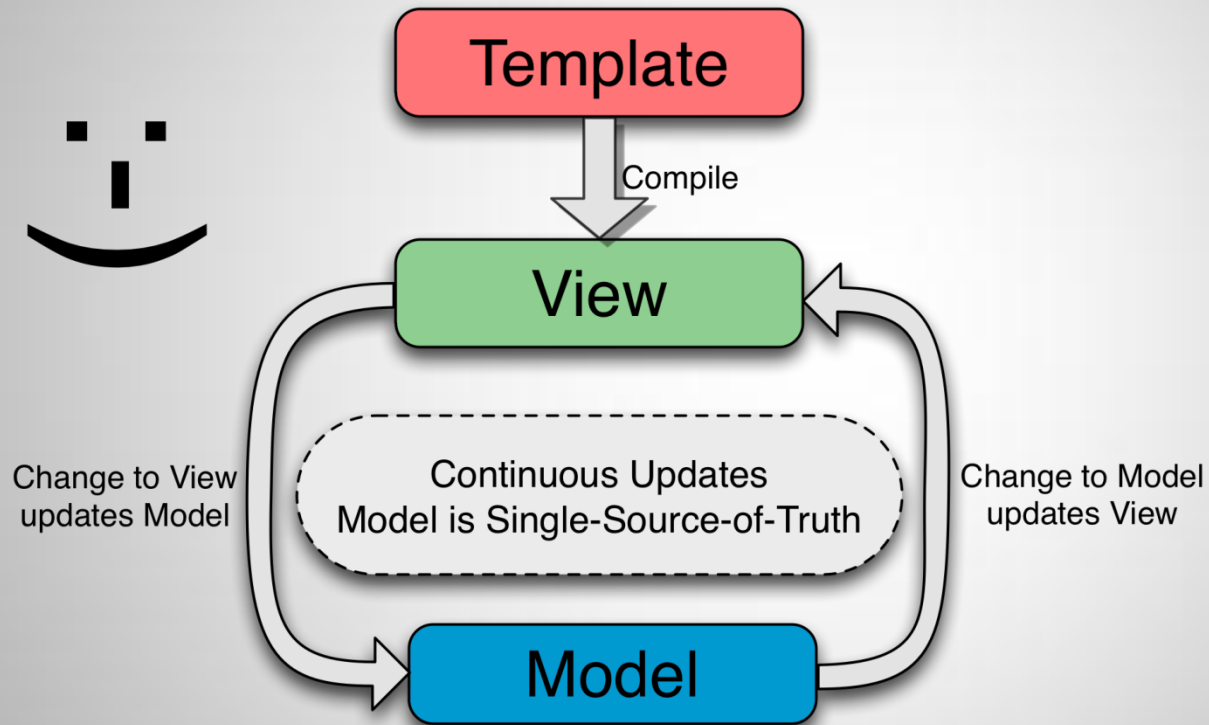
# Porquê utilizar o Angular

- ◉ Estimula a utilização do MVC (na parte cliente);
- ◉ Estimula o desenvolvimento orientado a testes (TDD);
- ◉ Reutilização de Código;
- ◉ ‘Extensão’ do HTML;
- ◉ Código fonte livre;
- ◉ Comunidade e Documentação

# Pontos Chaves do Angular

- ⦿ Componentes Reutilizáveis
- ⦿ Injeção de Dependência
- ⦿ Routes
- ⦿ Modules
- ⦿ Services
- ⦿ Filters

# Two-Way Data Binding



# Começando com Angular

## ○ Código

```
1 <!doctype html>
2 <html ng-app>
3   <head>
4     <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.8/angular.min.js"></script>
5   </head>
6   <body>
7     <div>
8       <label>Digite um nome:</label>
9       <input type="text" ng-model="nome">
10      <hr>
11      <h1>Hello {{nome}}!</h1>
12    </div>
13  </body>
14 </html>
```

Resultado:

Digite um nome:

**Hello Leandro!**

# A aplicação de demonstração

```
1 <!doctype html>
2 <html ng-app="MyApp">
3   <head>
4     <meta charset="utf-8">
5     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.1/css/bootstrap.min.css">
6   </head>
7   <body>
8     <h1 style="margin-left:35%;"> Apresentação AngularJS - 2015</h1>
9     <br/>
10    <div class="container" ng-controller="indexCtrl">
```

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```
80 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.7/angular.js"></script>
81 <script src="app.js"></script>
82 </body>
83 </html>
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80 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.7/angular.js"></script>
81 <script src="app.js"></script>
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83 </html>
```

# Arquivos separados

## Module e Controller

```
1 angular.module('MyApp', [])  
2   .controller('indexCtrl', ['$scope', function($scope) {  
3
```

## Directive

```
103   .directive('samenteNumeros', function () {
```



# Estamos Prontos para o Código



# Mas e agora !?

<https://angularjs.org/>



The screenshot shows the AngularJS homepage. At the top is a navigation bar with links for Home, Learn, Develop, and Discuss, along with a search bar. The main content area features the AngularJS logo (a red shield with a white 'A') and the text 'ANGULARJS by Google'. Below the logo is the tagline 'HTML enhanced for web apps!'. There are two buttons: 'View on GitHub' and 'Download (1.2.28 / 1.3.8)'. Below these are social media links for Google+, Twitter, and Facebook. A banner at the bottom says 'Learn Angular in your browser for free!'. The footer contains three sections: 'Why AngularJS?', 'Alternatives', and 'Extensibility'.

**Why AngularJS?**

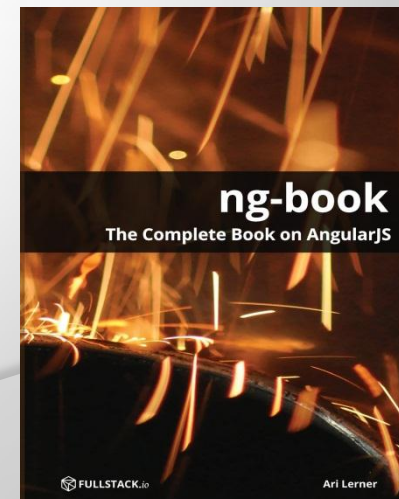
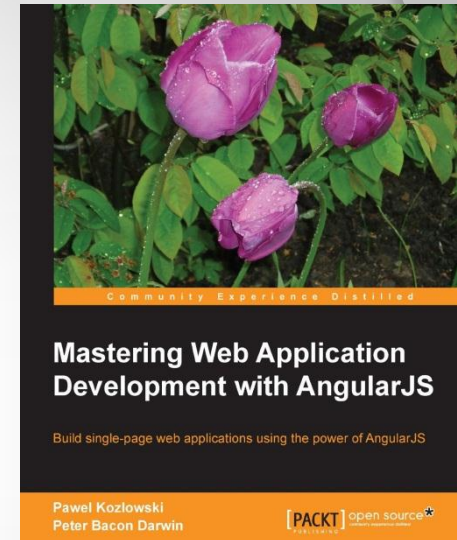
HTML is great for declaring static documents, but it falters when we try to use it for declaring dynamic views in web-applications. AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop.

**Alternatives**

Other frameworks deal with HTML's shortcomings by either abstracting away HTML, CSS, and/or JavaScript or by providing an imperative way for manipulating the DOM. Neither of these address the root problem that HTML was not designed for dynamic views.

**Extensibility**

AngularJS is a toolset for building the framework most suited to your application development. It is fully extensible and works well with other libraries. Every feature can be modified or replaced to suit your unique development workflow and feature needs. Read on to find out how.



# Referências

- ◉ ng-book
- ◉ Mastering web application Development with AngularJS
- ◉ Source-Code Disponivel em:



**GitHub** /leandrochomp