# Single Page Application nganggo



by @jeguwaskito

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## JavaScript?

### JavaScript

is a dynamic computer programming language most commonly used as part of web browsers, whose implementations allow client-side scripts to "interact with the user" . . . . .

It's for better user experience



### Note!

### Note!



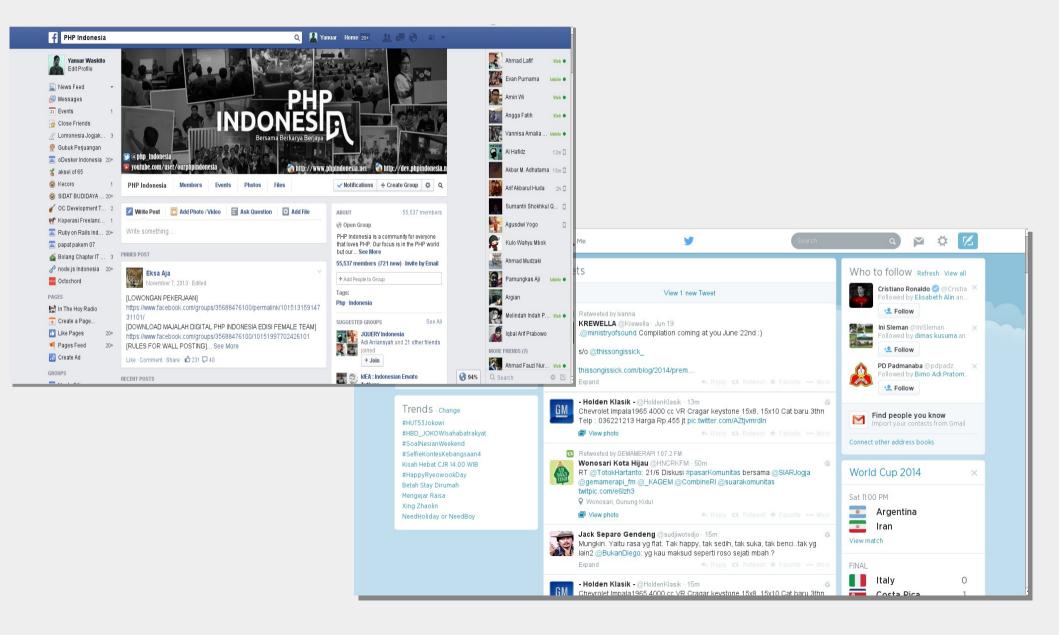
Client-Side





Server-Side

### Contoh



### Perkembangan Javascript

Library

Framework















### Apa itu angularJS?

MVW [Model View Wathever] Javascript Framework untuk membuat 'web apps' khususnya Single Page Application

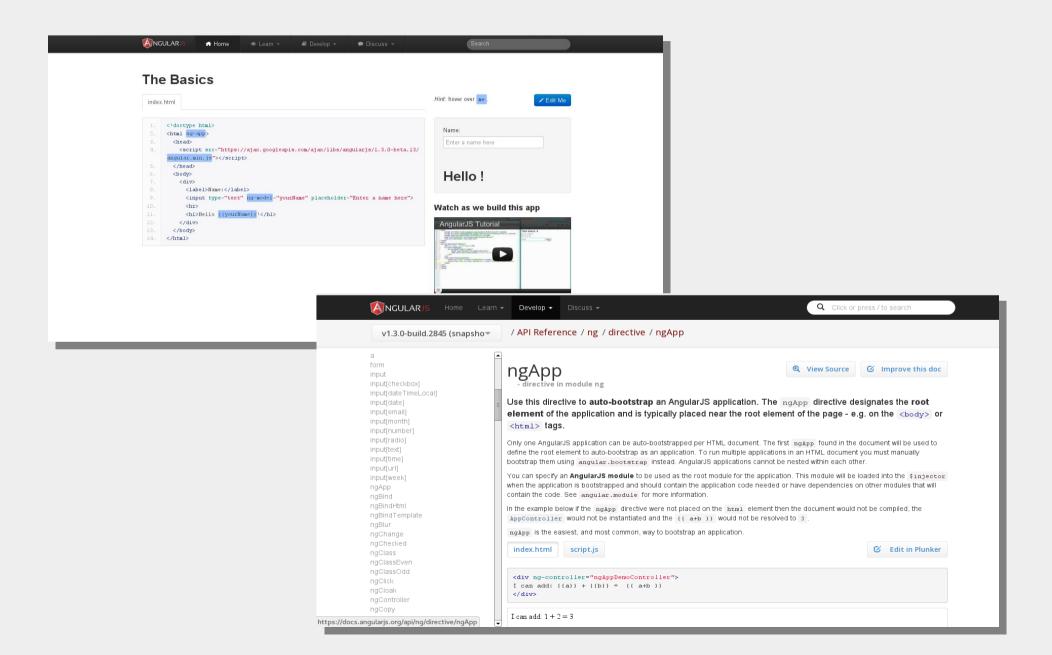
### History

- Created by Miško Hevery
- Open source since 2009
- Supported by Google
- Large & fast-growing



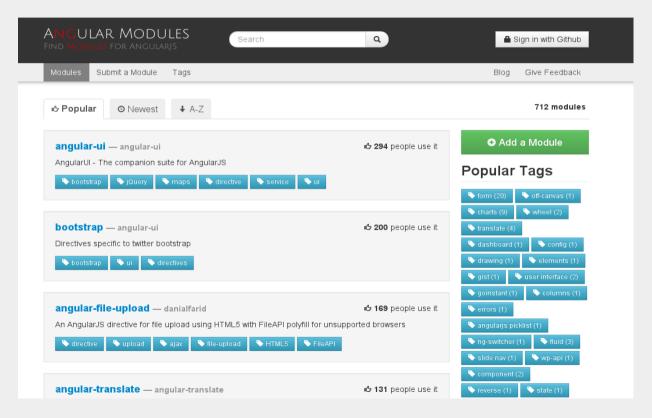
## Kok milih NGULARJS?

### Well Documented



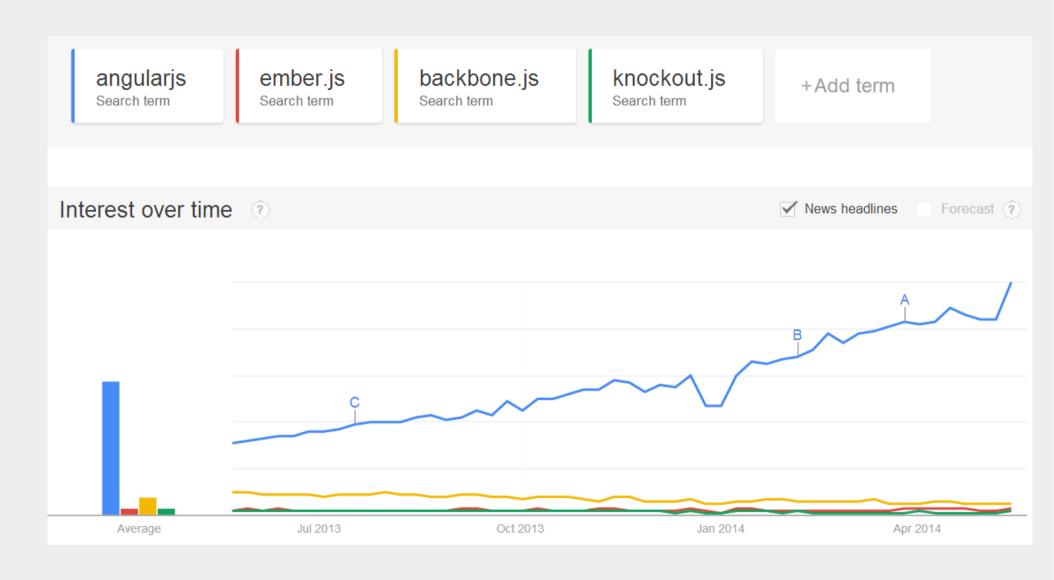
### Modular

angular.module('myApp',['ui.bootstrap.modal','underscore','flow']);



http://ngmodules.org

### **Trending Topic**



### **Many Tutorials**

About 2,160,000 results (0.24 seconds)

#### AngularJS Documentation for step 00

https://docs.angularjs.org/tutorial/step 00 -

In angular-phonecat directory, run this command: git checkout -f step-0. This resets your workspace to step 0 of the tutorial app. You must repeat this for every ... Injector - Angular expression - ngApp

#### www.toptal.com/angular.../a-step-by-step-guide-to-your-first-an... > by Raoni Boaventura - in 88 Google+ circles If you haven't tried Angular IS Your First AngularJS App: A Comprehensive Tutorial | Toptal



If you haven't tried AngularJS, you're missing out. In this tutorial, I'll build an Angular app from start to finish, highlighting examples of its strengths along

#### AngularJS Tutorial - Learn AngularJS in 30 minutes ...

www.revillweb.com/tutorials/angularjs-in-30-minutes-angularjs-tutorial/ •

Dec 22, 2013 - This AngularJS tutorial is going to take you through a streamlined set of instructions and cram pack you full of AngularJS knowledge within 30 ...

#### egghead.io - Learn AngularJS with Tutorial Videos ...

https://egghead.io/ -

Comprehensive video tutorial introduction to AngularJS including directives, binding, filters, ngRepeat, testing, isolate scopes and much much more.

#### AngularJS Tutorial | Basics, tips and tricks for the premier ...

www.angularjstutorial.com/ -

Feb 12, 2014 - AngularJS Basics Part 1: the Model-View-Controller approach · 3 Replies. You may have .... Angular tutorial - todo list breakdown · 2 Replies.

#### Learn AngularJS With These 5 Practical Examples ...

tutorialzine.com/2013/08/learn-angularjs-5-examples/ -

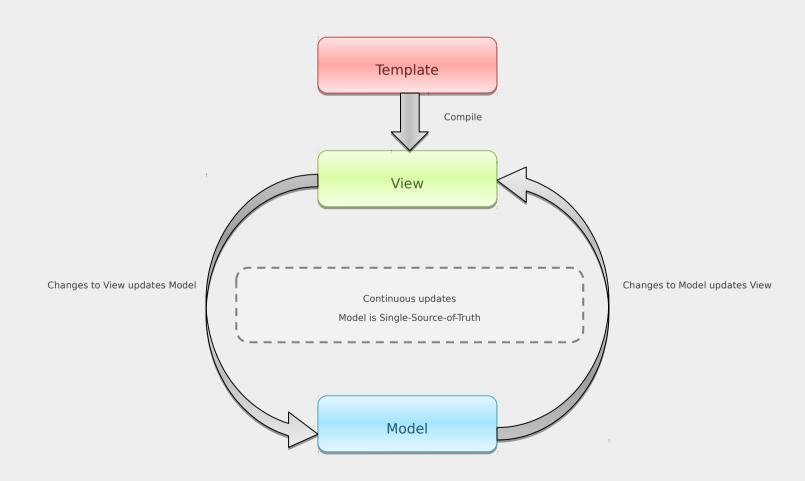
Aug 30, 2013 - By now you've probably heard of AngularJS - the exciting open source ... Note: For a more complete version, see this tutorial, which is based on ...

### **Angular Main Concepts**

- 2 Way Data Binding
- Directive
- Expression
- Model
- View / Template
- Controller
- Filter

### 2 Way Data Binding

Two-Way Data Binding



### Directive

Directive: angular marker pada element DOM (cth: html attribute, html element, comment, atau CSS class)

Digunakan sesuai fungsi directive yang dideklarasikan, bisa untuk:

- manipulasi DOM,
- manipulasi data di angular

```
Elements <my-dir></my-dir>
Attributes <span my-dir="exp"></span>

Comments <!-- directive: my-dir exp -->
Classes <span class="my-dir: exp;"></span>
```

### Expression

- Kode Javascript seperti biasanya yang ditempatkan dalam curlybrackets {{ expression }}
- Dapat berupa:
  - angular variable
  - filter
  - function

### Model

 Data yang ditampilkan kepada user dimana user tersebut berinteraksi

### View / Templates

• Di angular, template ditulis dengan format HTML, dan dapat mengandung directive, expression, atau filter

#### index.html

#### partials/template1.html

### Controller

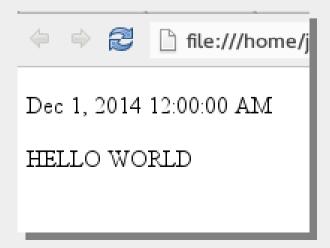
 Fungsi konstruktor javascript untuk mengolah data (\$scope)

```
function GreetingController($scope) {
    $scope.greeting = 'Hello Angular';|
}
```

```
<div ng-controller="GreetingController">
    {{ greeting }}
    </div>
```

### Filter

## Memformat value dari expression yang diperlihatkan ke user





- Angular tidak direkomendasikan untuk SEO
- Butuh trik khusus: http://prerender.io



Jangan buka di IE7

### **Get Started**

Bower:

bower install angular

Kalau belum ada bower

Download di sini

### Demo Source Code

Link:

https://github.com/waskito/JogjaJSAngular

### Thank You