

# WEBAPPS WITH ANGULARJS

AN OVERVIEW OF THE FRAMEWORK





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## Things i like:

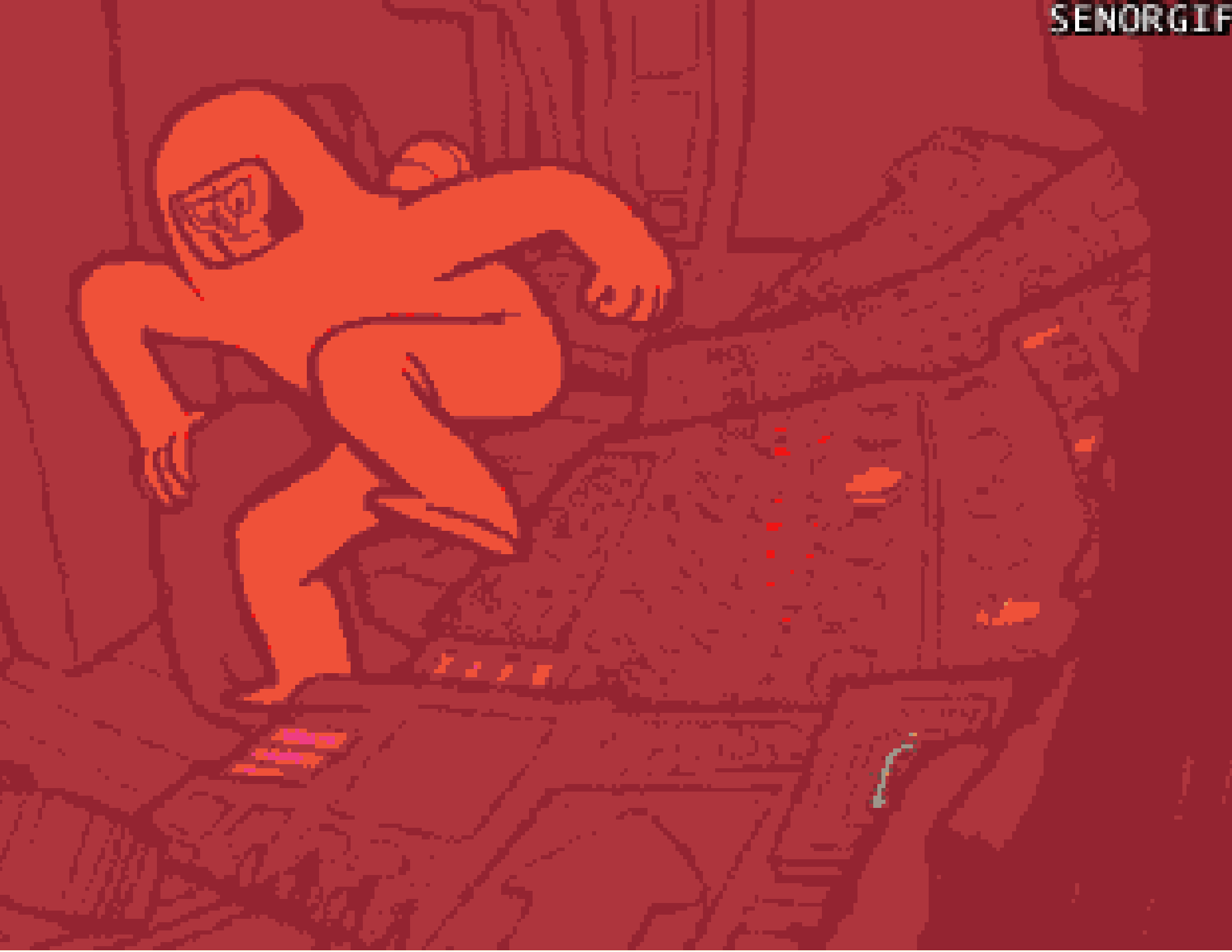
- Mac's
- JavaScript
- Game of Thrones
- Java EE & Spring
- Arrow

# ***'JAVASCRIPT IS TO JAVA AS HAMSTER IS TO HAM'***

by Jens Ohlig

***'JAVASCRIPT IS THE ONLY LANGUAGE PEOPLE  
FEEL LIKE THEY DON'T NEED TO LEARN TO  
USE IT'***

by Douglas Crockford



# WHAT IS **ANGULARJS**

**IT'S A STRUCTURAL FRAMEWORK FOR DYNAMIC WEB APPS  
THAT'S EASY TO MAINTAIN, IN A FAST AND TESTABLE WAY.**

# THE PRINCIPLES

- Rapid development
- Modularity
- Built to be testable
- Write less code



# WHAT IT OFFERS US

- Controllers
- Templates
- Two-Way data bindings
- Services
- Directives
- Dependency Injection

# THE SIMPLEST EXAMPLE

```
<!DOCTYPE html>
<html ng-app>
  <head>
    <script src="js/angular.min.js"></script>
  </head>
  <body>
    <form>
      <label>Your name?</label>
      <input type="text" ng-model="name" placeholder="Your name?">
    </form>
    <h3>My name is {{ name }}!</h3>
  </body>
</html>
```

---

What's your name?

What's your name?

**MY NAME IS !**



# \$SCOPE

**\$scope** is an object that refers to the application model.  
It connects the **View** and the **Controller**

myController.js

```
function MyController($scope) {  
  $scope.name = 'Henk Bakker';  
}
```

myView.html

```
<form ng-controller="MyController">  
  <input type="text" ng-model="name">  
</form>
```

# CONTROLLERS

The controller is a function that augment the **\$scope** object.  
It's used to add a value or to add a behavior to the **\$scope**.

```
function TodoCtrl($scope) {  
  $scope.todos = [  
    { text: 'Learn AngularJS', done: true },  
    { text: 'Create an App', done: false }  
  ];  
  
  $scope.addTodo = function () {  
    $scope.todos.push({ text: $scope.todoText, done: false });  
    $scope.todoText = '';  
  };  
};
```

# DIRECTIVES

*"Teach new tricks to the HTML"*

1. Create custom attributes
2. Create custom HTML tags  
(based on W3C *webcomponents* specification)

# DIRECTIVES <sup>2</sup>

All the attributes that begin with "ng" are AngularJS directives.

- ng-app
- ng-controller
- ng-model
- ng-repeat
- ng-click
- ng-view
- ...

# DIRECTIVES 3

## How to use *directives*

```
<!doctype html>
<html ng-app="myApp">
  <head>
    <script src="../../js/angular.min.js"></script>
  </head>
  <body>
    <ul ng-controller="myListController">
      <li ng-repeat="item in items">
        {{ item.name }}
      </li>
    </ul>
  </body>
</html>
```



# DIRECTIVES 4

You can also create you own *directive*.

- **element:** `<my-directive></my-directive>`
- **atribute:** `<span my-directive="value"></span>`
- **class:** `<span class="my-directive: value;"></span>`
- **comment:** `<!-- directive: my-directive value -->`

# INSTANT SEARCH

**DEMO**

# INSTAGRAM

**DEMO**

# LEARN

- Thinkster - <http://thinkster.io/>
- Year of Moo - <http://www.yearofmoo.com/>
- HTML5 Rocks - <http://html5rocks.com/>
- TodoMVC - <http://todomvc.com/>

# QUESTIONS

QUESTION

**ANGULARJS OR JSF?**

A close-up, profile view of a Black man in a dark suit, white shirt, and a blue and purple striped tie. He is looking towards the right side of the frame. The background is a soft, out-of-focus grey.

# THANKS