

WEBAPPS WITH ANGULARJS

AN OVERVIEW OF THE FRAMEWORK





Things i like:

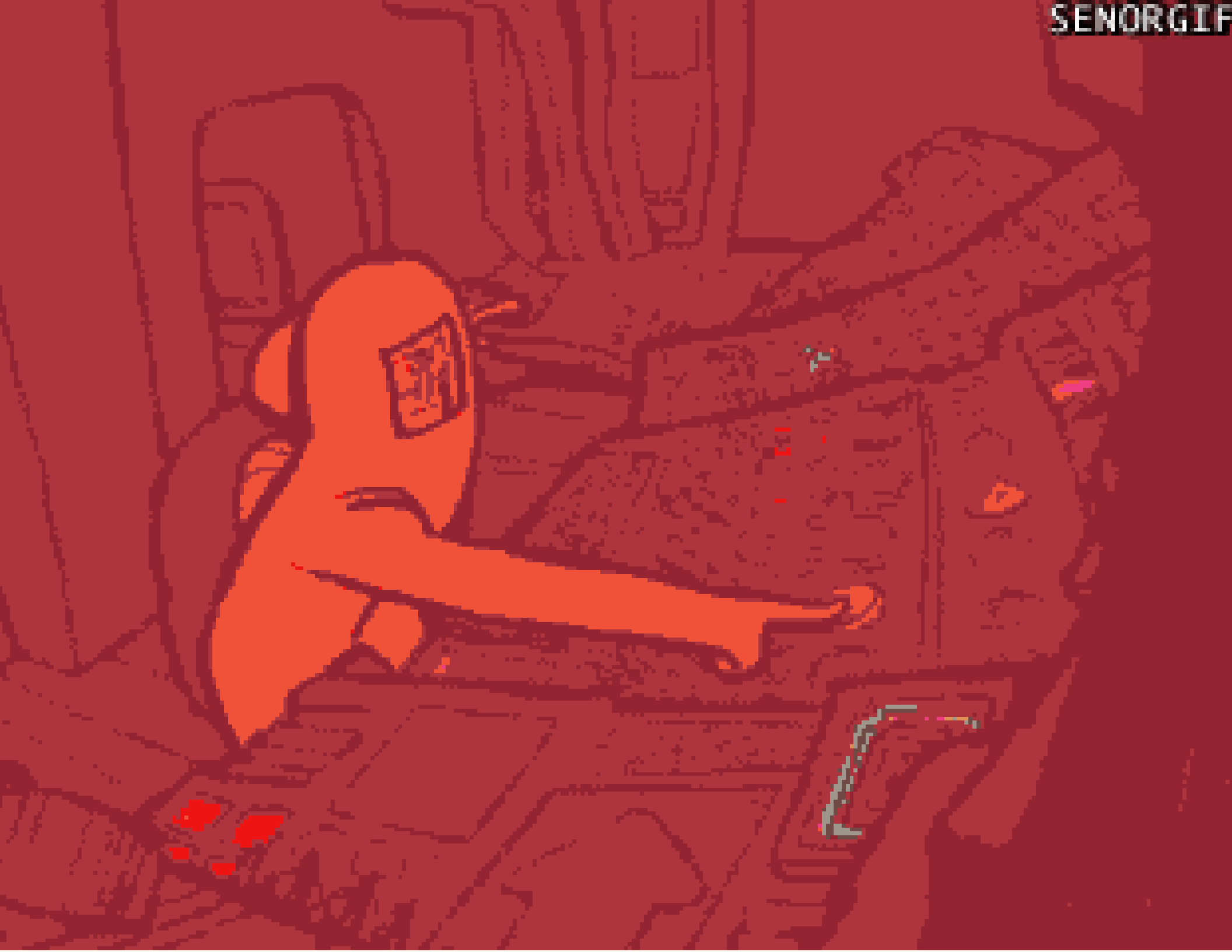
- Mac's
- JavaScript
- Game of Thrones
- Java EE & Spring
- Arrow

'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 ²

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:** ``
- **class:** ``
- **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

A close-up, portrait-oriented photograph of a Black man with a short beard and mustache, smiling warmly. He is wearing a dark navy blue suit jacket over a white dress shirt and a blue and purple striped tie. His right hand is partially visible, resting on his lap. The background is a soft, out-of-focus grey.

THANKS