



## Choosing a JavaScript MVC Framework

Héctor Martín IT/SDC

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## **TOP CURRENT FRAMEWORKS**

# **MPLIFYJS**



Spine









Héctor Martín de los Ríos



09/05/2014



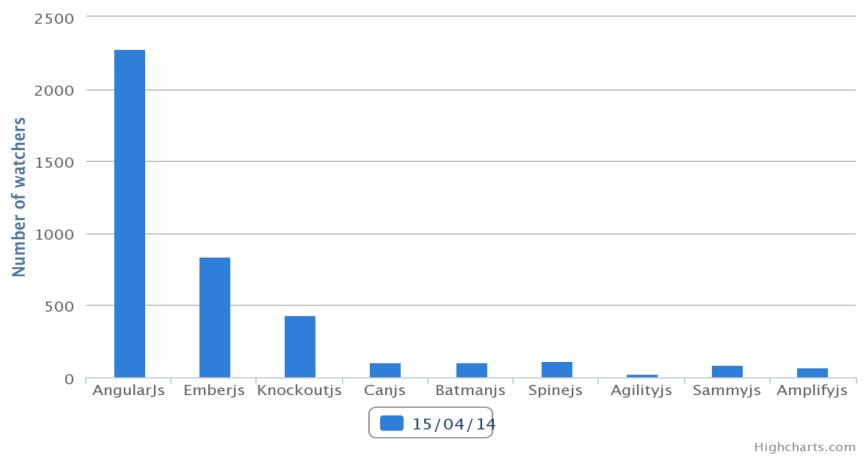




## **POPULARITY I: GITHUB**

#### **GITHUB WATCHERS**

Source: Github.com

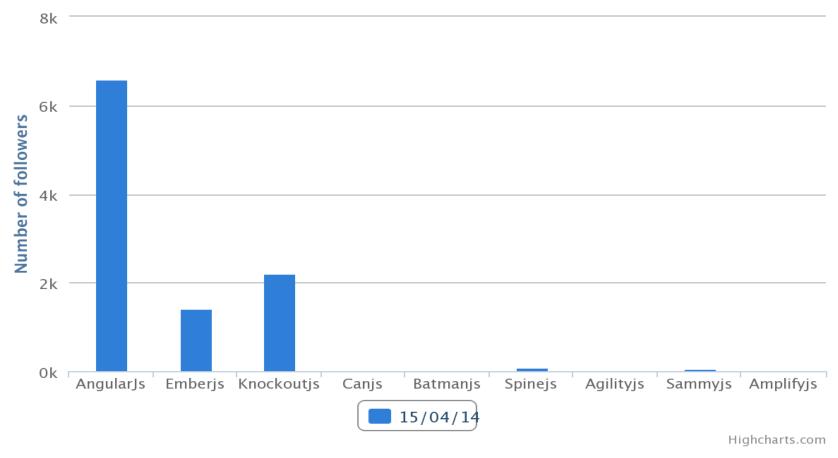




### POPULARITY II: STACKOVERFLOW

#### STACKOVERFLOW FOLLOWERS

Source: StackOverflow.com

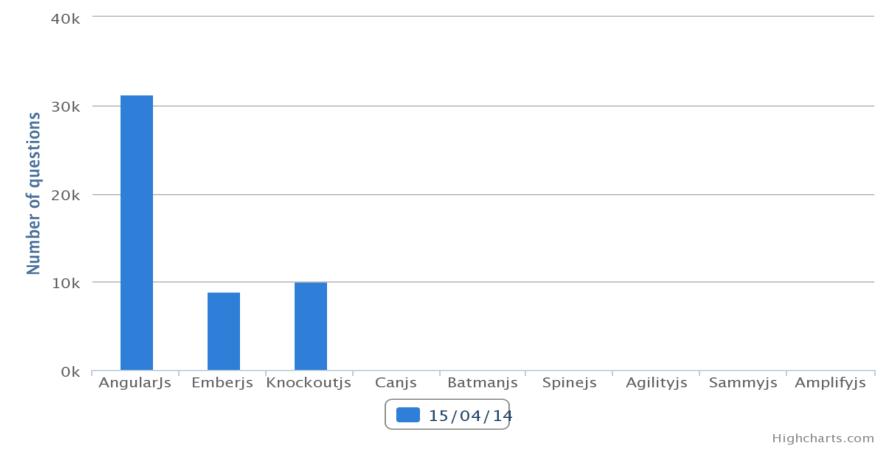




## POPULARITY III: STACKOVERFLOW

#### STACKOVERFLOW QUESTIONS

Source: StackOverflow.com





## MOST POPULAR FRAMEWORKS







## **MOST POPULAR FRAMEWORKS**







## INTRODUCTION

	ANGULAR	EMBER
FIRST RELEASE	2009	2011
PILOSOPHY	Extending HTML syntax	Convention
COMMUNITY	Biggest community	Second biggest community
DEPENDENCIES	None	Handlebars.js (14kb), Emberdata (19kb) & Jquery.js (32kb)
SIZE (min + gzip)	36 kb	71 kb



# **FEATURES**

	ANGULAR	EMBER
URL DRIVEN	Built-in but rudimentary	Built-in
UI DECOUPLED	Manual Ajax or Restful Client	Built-in
MODULAR	Good separation of concerns	Very strict separation of concerns
POPULAR UI ELEMENTS	- Google Chart Tools - External libraries	<ul><li>Ember Charts</li><li>Jquery plugins</li><li>External libraries</li></ul>



# **FEATURES**

	ANGULAR	EMBER
VIEW TEMPLATES	Declarative DOM-based	String based. Handlebars
NESTED VIEWS	Only with UI-Router	Built-in
DATA BINDING	Two way. Dirty-checking	Two way. Change listeners



## **DIFFERENT PHILOSOPHY**

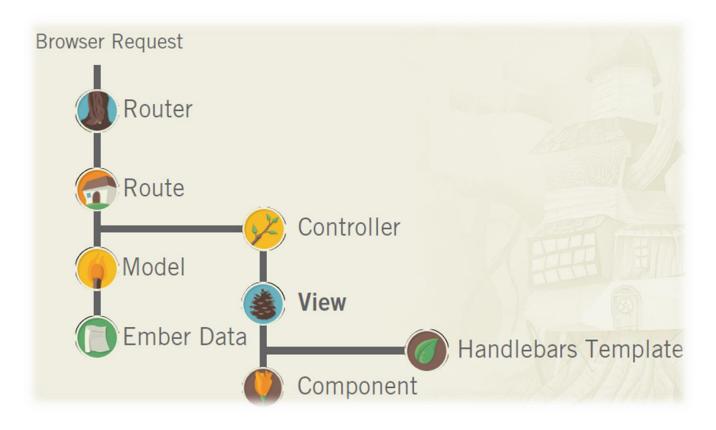




You want to do this? Do it this way "You want to do this? Here's everything you will need to do it, use it"



- 1. Robust and Maintainable.
  - Structure:





- 1. Robust and Maintainable.
  - Conventions:





### 2. Ember-data.





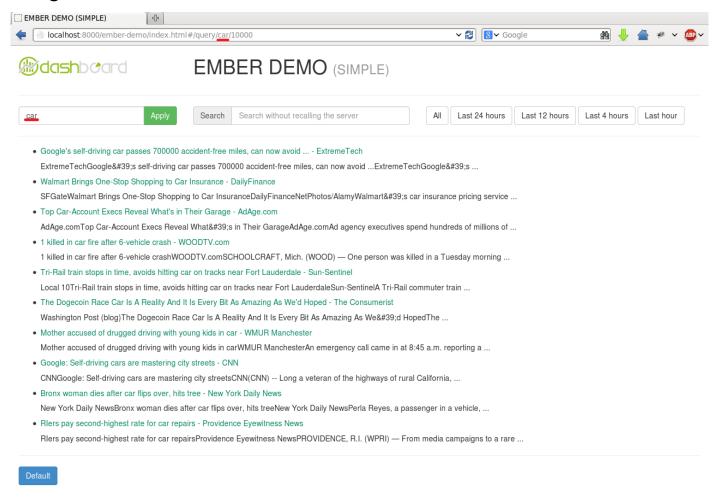
#### 3. Performance.

```
App.Room = Ember.Object.extend({
    area: function() {
        return this.get('width') * this.get('height');
    }.property('width', 'height')
});
```

```
Room: 
{p>{{width}}
{{height}}
{{area}}
```

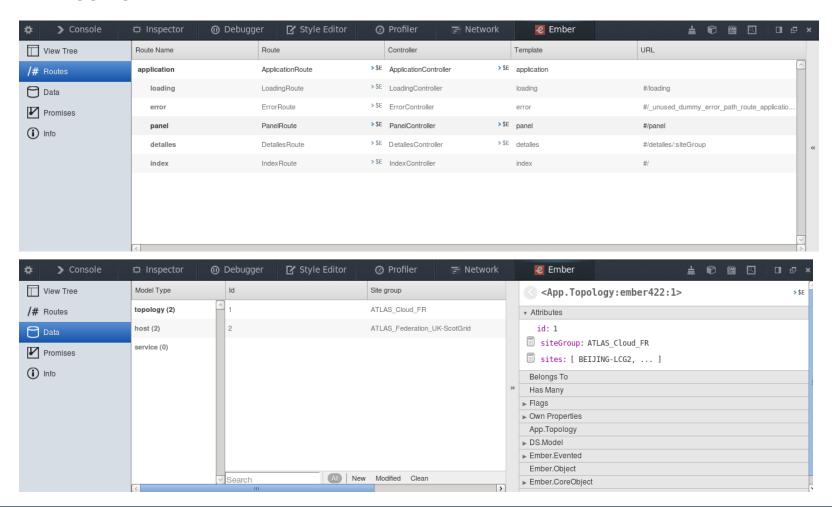


#### 4. Routing.





### 5. <u>Debugging.Ember Inspector.</u>





### **CONCLUSIONS AND FUTURE WORK**

- Ember selected.
  - Robust and Maintainable.
  - Performance.
  - Ember-data.

- Format Json properly.
- Migrate the sam3 app as a real usecase.

