

# WELCOME, EMBEERISTS

to the **first** Ember.js meetup in **Brussels**



# WHY THIS MEETUP?

**Local** community

**Share** knowledge and  
experience

Share **frustrations**

Stay **up-to-date**

**Be inspired**

Have a **nice evening** among  
peers



# ABOUT MYSELF

@YoranBrondsema  
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24 years old

Developer/CTO at **HSTRY.ORG**

3 months Ember.js user

# TELL US ABOUT YOURSELF

Who are you?

Why do you find Ember interesting?

What brings you here?

# WHAT IS EMBER.JS?

MVC framework to develop **ambitious** web applications

Makes it easier to develop **single-page** web apps

Closes the **gap** between web and native apps

# DEMO

~1060 lines of code

# EMBER.JS ARCHITECTURE

**Convention** over configuration

# EMBER.JS ARCHITECTURE

Router

Model

Controller

View

Template

# CLEAR RESPONSABILITIES

Router

Model

Controller

View

Template

**Templates** define the HTML of the application. They are written in the Handlebars templating language.

```
<p class="hello-world">
  Hello, {{firstName}}!
  {{#if isOld}}
    You are old!
  {{/if}}
</p>
```



# CLEAR RESPONSABILITIES

Router

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Template

**Models** store the domain objects (similar to models in RoR).

```
App.Person = DS.Model.extend({
  firstName: DS.attr('string'),
  lastName: DS.attr('string')
});
```

# CLEAR RESPONSABILITIES

Router

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**Controllers** provide an interface of the model to the view.

```
App.PersonController =  
  Ember.ObjectController.extend({  
    fullName: function() {  
      return (  
        this.get('firstName')  
        + " "  
        + this.get('lastName'));  
    }.property('firstName', 'fullName')  
  });
```

```
<p class="hello-world">  
  Hello, {{fullName}}  
</p>
```

# CLEAR RESPONSABILITIES

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**Views** execute DOM-related events and convert them into semantic actions (e.g. 'click' to 'deleteUser').

```
App.ClickableView = Ember.View.extend({
  click: function(evt) {
    this.get('controller')
      .send('deleteUser', 11);
  }
});
```

# CLEAR RESPONSABILITIES

Router

Model

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The **Router** transitions between a collection of routes, each representing an application state and identified by a URL.

Each **Route** tells the template which model it should display.

The router interface is similar to the RoR router.

```
App.Router.map(function() {  
  this.route("about", { path: "/about" });  
  this.route("favorites", { path: "/favs" });  
  this.resource('users', function() {  
    this.route('new');  
  });  
});
```

# EMBER-DATA

Separate from Ember.js

Sits between **server** and **models**

Deserialises **JSON** into Ember **models**

Serialises **models** into **JSON**

# PERSONAL COOL FEATURES

# Data binding!

- Don't bother updating the **view** when your **model changes**
- No more **mirroring** your DOM structure in Javascript

```
$('.main-container .users li .name').each(function() { ... });
```

- Easy as Excel

# DEMO 1



# DEMO 2

# Automatically append/remove HTML

DEMO

# Enforced structure

Hard to get out of MVC

No more jQuery spaghetti code

# Routing

No page refreshes

Yet, unique URLs

Yet, back button works

**... AND THERE'S SO MUCH MORE!**

**NOT ALL SUNSHINE AND RAINBOWS**

# Heavy

~230 KiB minified

Not so good for mobile

A lot of JS to execute



# SEO

Engines do not see dynamically generated HTML

Importance depending on your case

Static content in `<noscript>` tags

Service like [prerender.io](https://prerender.io)

# Steep learning curve

# Documentation (or lack thereof)

Is improving

Digging through source is necessary

A lot of trial-and-error/StackOverflow for non-standard things

# Unstable API

Annoying for help (discard 2012)

Also getting better

1.0.0 released on September 9th, 2013

# RESOURCES

# Official Ember.js guides

To get you started...

... and for after

**[emberjs.com/guides](https://emberjs.com/guides)**

# Ember.js API

Pretty crucial

Contains links to source on GitHub

[emberjs.com/api](https://emberjs.com/api)

# Ember Weekly

Weekly newsletter

Everything you need to know

Watch for next Brussels meetup!

**[emberweekly.com](http://emberweekly.com)**



# EmberWatch

Links to talks, screencasts, tutorials,...

NYC Meetups are worth watching

**[emberwatch.com](http://emberwatch.com)**

# Ember Discuss

High-level discussions: architecture, feature proposals,...

Uses Discourse: first "real" Ember.js application  
**[discuss.emberjs.com](https://discuss.emberjs.com)**

# StackOverflow

All concrete questions  
Quickly outdated!

# HSTRY IS HIRING!

\* Sorry for shameless ad

# HSTRY IS HIRING!

**Ed-tech** startup

**NEST'Up** Spring 2013

**Building** and **piloting** our product

**Ember.js** with **Ruby on Rails** REST API

Come talk to me!

# WHAT TO DO DURING MEETUPS

- **General talks** about Ember.js or anything **related**
- Cool little **hacks** that you want to show ("lightning talk" style)
- Showcase **your project**

# THAT'S IT FOR ME

Github

[YoranBrondsema/emberjs-meetup-brussels](https://github.com/YoranBrondsema/emberjs-meetup-brussels)