

Intro to backbone.js

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What is backbone.js?

It is a **LIBRARY** not a Framework

It is **SMALL**, Less than 6KB

MAINTAINABLE and **STRUCTURED** code

Dependencies

- underscore.js
- jquery.js

- OR -

- lodash.js
- zepto.js

Typical jQuery project



Avoid Javascript Spaghetti!



```
1 function show_movies() {$
2   $.ajax({$
3     url: "/movies",- $
4     success: function(movies) {$
5       _.each(data, function(movie) {$
6         var html = "<h2>" + movie.name + "</h2>";$
7         html += "<div>" + movie.description + "</div>";$
8         $("#movie_list").append(html);$
9       });$
10    }$
11  })$
12 }
```

Router



The Glue

Binds URLs to functions that renders some views

Models

- Syncs with server via a RESTful API
- POST/PUT/GET/DELETE
- Uses getters and settings

Collections

- Syncs the same as a model would
- Holds an array of models
- Uses jQuery deferrable objects for fetch()

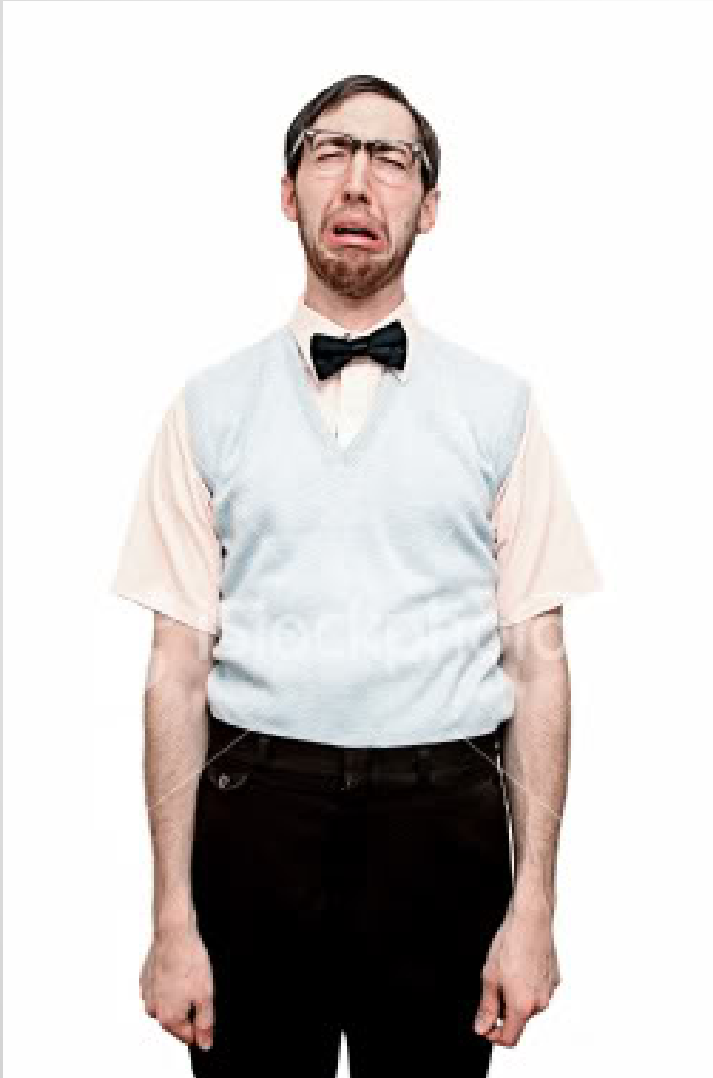
Views

- Take your model and transform it into data that can be represented in HTML
- Maintains a reference to a DOM element
- Can re-render when it's model or collection has changed
- No "standard" templating language
 - Hogan.js, Mustache.js, Handlebar.js

LIVE CODING ACTION

(demo)

Summary: You on classic jQuery



- Hard to maintain code
- Manual DOM management
- No Updated URL History
- JSON parsing
- Callback organization is hard

Summary: You on backbone

- Separation of concerns
- No more AJAX boilerplate
- Easy to learn



QUESTIONS?

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