

Imagine a web
where we can build
useful, beautiful, responsive
sites and applications
that are semantic, correct, and
accessible to all.

@lachlanhardy

What is Backbone?

What is Backbone?

“Backbone supplies structure to JavaScript-heavy applications by providing models with key-value binding and custom events, collections with a rich API of enumerable functions, views with declarative event handling, and connects it all to your existing application over a RESTful JSON interface.”

I'm no computer scientist.

What is Backbone?

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WTF?

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What is Backbone?

It's a JavaScript library.

What is Backbone?

It's a JavaScript library for writing applications.

What is Backbone?

It's a JavaScript library for writing applications like...

Library size

- 41.0Kb uncompressed
- 4.6Kb Packed and Gzipped

Library dependencies

- Underscore.js

Underscore.js

- Functional programming library
- 60-odd functions such as map, select, invoke
- 3Kb Minified and Gzipped

Library dependencies

- Underscore.js

Library dependencies

- Underscore.js
 - JSON2.js

JSON2.js

- Provides JSON support if it doesn't exist natively
- Does nothing in modern browsers

Library dependencies

- Underscore.js
 - JSON2.js
 - jQuery or Zepto.js

Zepto.js

“Zepto.js is a minimalist JavaScript framework for mobile WebKit browsers, with a jQuery-compatible syntax.”

What is Backbone?

“Backbone supplies structure to JavaScript-heavy applications by providing **models** with key-value binding and **custom events**, collections with a rich API of enumerable functions, views with declarative event handling, and connects it all to your existing application over a RESTful JSON interface.”

Backbone.Model

- Models contain the data

Backbone.Model

- Models contain the data
- Validations, properties and permissions

Backbone.Model

- Models contain the data
- Validations, properties and permissions
- Manage changes to the above

What is Backbone?

“Backbone supplies structure to JavaScript-heavy applications by providing models with key-value binding and custom events, **collections** with a rich API of enumerable functions, views with declarative event handling, and connects it all to your existing application over a RESTful JSON interface.”

Backbone.Collection

- Collections are ordered sets of models

Backbone.Collection

- Collections are ordered sets of models
- Act on events within models

Backbone.Collection

- Collections are ordered sets of models
- Act on events within models
- Add, Remove, Fetch, Reset, Create, Sort

What is Backbone?

“Backbone supplies structure to JavaScript-heavy applications by providing models with key-value binding and custom events, collections with a rich API of enumerable functions, **views** with declarative event handling, and connects it all to your existing application over a RESTful JSON interface.”

Backbone.View

- A logical UI component, not just the template

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- A logical UI component, not just the template
- Bind **render** function to model **change** event

Backbone.View

- A logical UI component, not just the template
- Bind **render** function to model **change** event
- Works with any templating library

What is Backbone?

- Backbone.Events
- Backbone.Router
- Backbone.History
- Backbone.Sync

Find out more

<http://documentcloud.github.com/backbone/>



Questions?