

Presentation about Backbonejs

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Introduction

Issues with dynamic web applications

- ▶ A DOM element bound to data
- ▶ Updating DOM when data changes
- ▶ Solution is to have an abstraction between data and DOM

Backbone.js is a MVC library

- ▶ A library, not a framework
- ▶ Model, View, Collection
- ▶ C is for @Collections@, not Controller!
- ▶ Preconfigured to sync with a RESTful API.
- ▶ Build single page apps

Diving into Models, Views, Controller

Models

- ▶ Represent data as individual objects
- ▶ Functions to operate on data
- ▶ Trigger *change* events when data changes
- ▶ Sync data with a database using a REST API

Views

- ▶ Atomic chunk of user interface.
- ▶ A View can be bound to a specific Model or a number of Models, aka Collections
- ▶ Views listen to model's change event and then can re-render or re-order themselves.

Collections

- ▶ Deal with a group of related models
- ▶ Save or load a set of models from server
- ▶ Perform aggregations or computations against models
- ▶ Listen to models events at one place

Web needs @URL@ to work

Router

- ▶ Web applications rely on URL for representing an important location in an application.
- ▶ Backbone allows to map URL fragments to certain functions.

Related links

- ▶ <http://backbonejs.org/docs/todos.html>
- ▶ <http://backbonejs.org>
- ▶ <http://underscorejs.org>
- ▶ https://github.com/arvindkhadri/js_sessions