COMP531-Web Development Backbone.js

Chenlai Zhang (cz32)

backbone.js is ...

- A very light framework that enables us to organize our Javascript codes in MVC style
- Has less than 1000 lines of javascript core codes

- Supply structures for heavy javascript applications

How backbone.js work...

Model, Collection and View
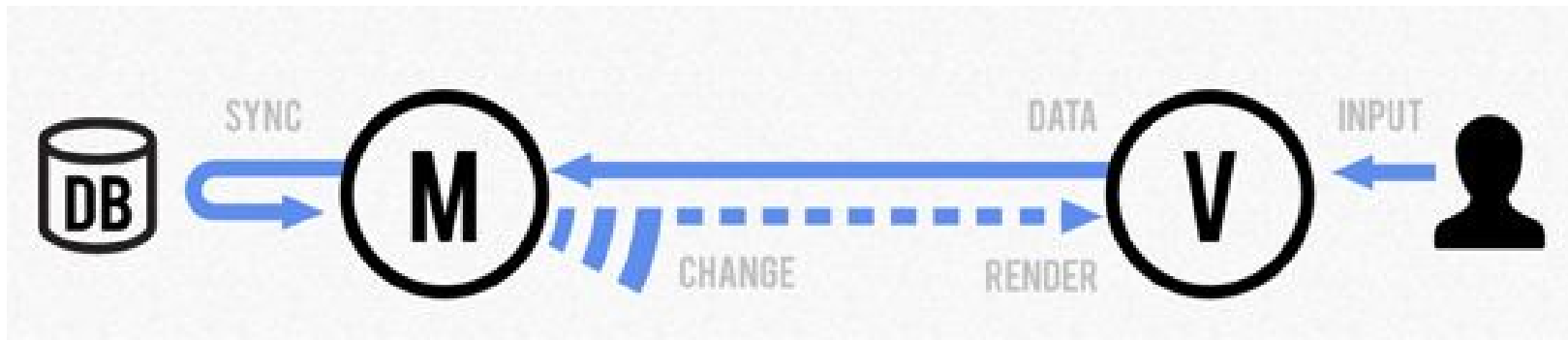
Model - retrieves and populates the data

Collection - ordered sets of Model objects

View - the HTML representation of Model and Collection

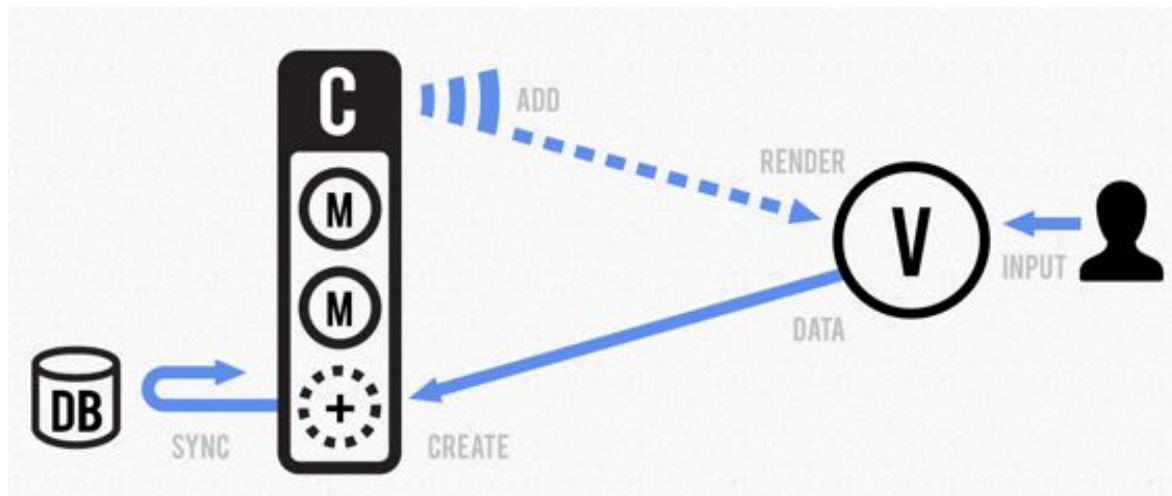Events - trigger when any component changes

How backbone.js work...

Model and View

How backbone.js work...

Collection and View

Advantages compared to reactJs

- Very lightweight thus very fast

- A great foundation to build our own framework on

- Codes are very simple and well documented

- Components are highly decoupled and well organized

drawbacks compared to reactJs

- Needs a lot of work to decide many details on how to structure the applications, such as choose specific plugins
- State changes may lead to memory leaks if memory management is not properly handled

- Lacks the support for two-way data binding
- A few changes to CSS may disable the CSS selector

Summary

- Useful in structuring our javascript codes into MVC style

- Highly decoupled --- Flexible

- Extensible

Thank you