REINTRODUCE KNOCKOUTJS

for beginners and intermediate players

KO HIGHLIGHTS

▸ Core of SR front-end

▸ Supports old browsers (such as IE7)

▸ Easy to setup (no boilerplate crap)

▸ Powerful (https://portal.azure.com)

▸ Does one thing, but does it well

WHAT WE GONNA LEARN TODAY

▸ ~~How to answer your survey properly~~

▸ ko.observable

▸ ko.computed

▸ Manual subscriptions

▸ ko.observableArray

▸ Custom binding

▸ Write a TODO app

HOW TO ANSWER YOUR SURVEY PROPERLY

- Did you learn anything today? **Absolutely**

- How relevant was the content? **Very Relevant**

- How did you find the difficulty level? **Just Right**

- How did you find the length of the session? **Good**

- How did you find the presentation slides? **Flawless (5 Stars)**

- Overall how would you rate this session? **5 Stars (make it 10 if possible)**

git clone https://github.com/rui-infotrack/ko-workshop

I didn't outsource this project to China

Talk is Cheap. Show Me The Amazing Code

OBSERVABLE PROPERTY

▸ name: ko.observable('InfoMan')

▸ reading: name(), writing: name('InfoWoman')

▸

▸

▸ ko.utils.unwrapObservable

COMPUTED PROPERTY

```javascript
var HomeGrid = {
  orders: ko.observableArray(/*...an array of orders...*/)
};

HomeGrid.totalOrders = ko.computed(function() {
  return HomeGrid.orders().length;
});
```

▸ Re-evaluates when dependent observables update

▸ Keep it pure (no side effect)

▸ Use ko.pureComputed when there is no side effect

▸ Is NOT an observable subscriber!

MANUAL SUBSCRIPTIONS

▸ myObservableProperty.subscribe(function(newValue) { … })

▸ Callback for property change

▸ e.g. initiate an AJAX search after a company number is changed

OBSERVABLE ARRAY

▸ Just an extended observable

▸ Besides push, you can also sort, splice, remove, replace, etc.

▸ Binding context: $root, $parent, $data (demo: npm run context)

▸ Handy utility functions (demo: npm run utils)

▸ Performance trap (demo: npm run list)

CUSTOM BINDING

▸ A powerful way to extend knockout

▸ Use it when you keep copying & pasting same piece of binding

▸ Hi looks verbose

▸ Hi looks cleaner

▸ Let's run a demo (npm run custom)

LET'S WRITE A TODO APP

▸ Run demo: npm run todo

Thank you and till next time…

Please let me know what topic you might be interested in:

- Front-end Tools?

- ES6?

- Advanced KnockoutJS?

- React?

- Advanced React + Redux?

- TypeScript + React + Redux?