



Knockout JS

(An introduction)



By Matt Brailsford



Who am I?

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Knockout Js (An introduction)



What is Knockout JS ?

“Knockout is a JavaScript library that helps you to create rich, responsive display and editor user interfaces with a clean underlying data model.”

<http://knockoutjs.com>



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But I already use jQuery

(other libraries are available)

That's OK, so do I

Works on top of your existing library of choice -
Solves a different problem -



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So what's the difference?

(Seriously, does anybody use any other library?)

jQuery

Simplifies DOM interactions -
Manual wiring required -
Low level -

Knockout JS

Simplifies UI interactions -
Wired automatically -
High level -



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Ok, so how does it work?

(Step 1 – Define your model)

```
var viewModel = {  
    availableColours: ['Red', 'Blue', 'Green', 'Orange'],  
    selectedColour: ko.observable()  
};
```

(WTF is a ko.observable?)



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Ok, so how does it work?

(Step 2 - Declare your bindings)

```
<h3>What is your favourite colour?</h3>
<p><select data-bind="options: availableColours, value:...>
    selectedColour, optionsCaption: 'Choose...'" /></p>
<p data-bind="visible: selectedColour">...
    You chose the colour <strong data-bind="text:...>
    selectedColour</strong></p>
```





Ok, so how does it work?

(Step 3 – Wire the two together)

```
var viewModel = {  
    availableColours: ['Red', 'Blue', 'Green', 'Orange'],  
    selectedColour: ko.observable()  
};  
ko.applyBindings(viewModel);
```



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Ok, so how does it work?

(Step 4 – You're done!)

TADAA!



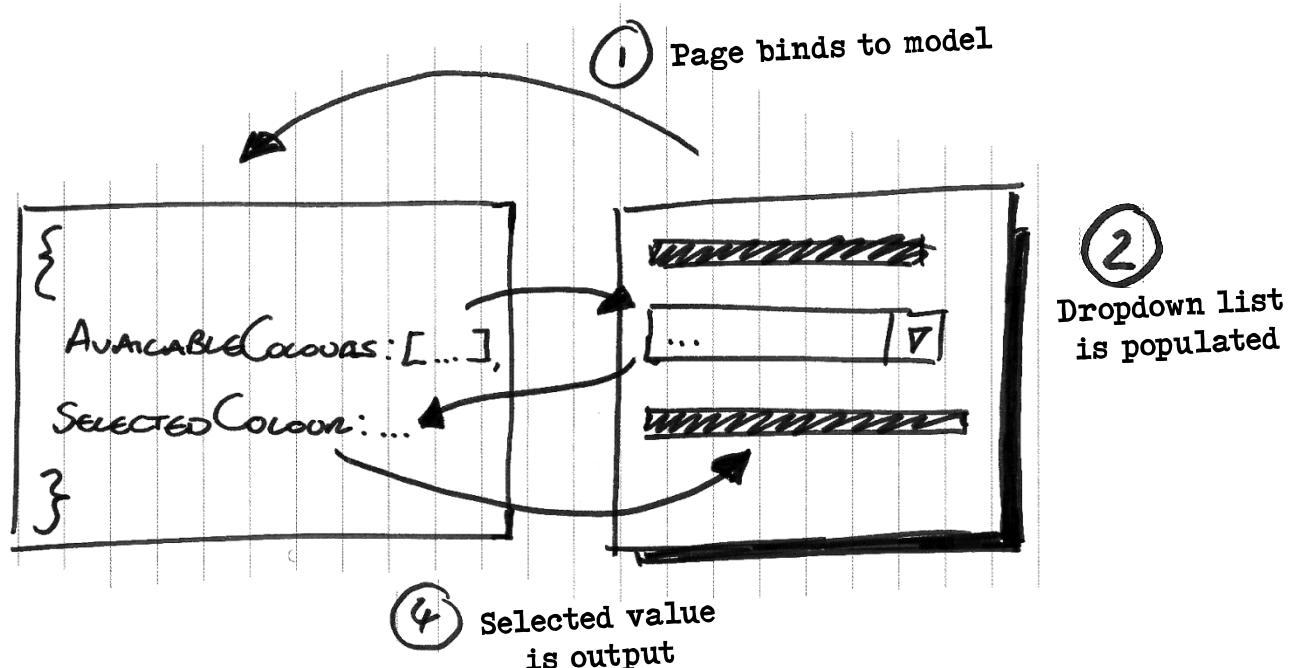
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What the hell just happened?

(No it wasn't voodoo, put your pitch forks down)

③ Selected value
is set





Interesting, tell me more, ☺ ☺ ☺

(Observables...)

Say hello to my little friend(s)...

```
ko.observable("defaultValue")
```

```
ko.observableArray(["option1", "option2"])
```

```
ko.computed(function() {  
    return this.firstName() + " " + this.lastName();  
}, viewModel);
```





Uh huh, go on, ☺ ☺ ☺

(Bindings...)

attr

style

html

css

Appearance

visible

text

submit

checked

event

value

click

disable

Forms Fields

selectedOptions

enable

if

with

Control Flow

foreach

ifnot



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Cooooool ! Got any examples ?

(Now for the fun stuff)



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Nope, I still don't get it...
(Any questions?)



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Where can I learn more?

Knockout JS

<http://knockoutjs.com>

Forum

<http://groups.google.com/group/knockoutjs>

Umbraco v5

<http://umbraco.codeplex.com>



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Where's my laptop?

(Thank you!)



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