8/15/2017 Knockout : The "with" binding

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The "with" binding

Purpose

The with binding creates a new binding context, so that descendant elements are bound in the context of a specified object.

Of course, you can arbitrarily nest with bindings along with the other control-flow bindings such as <u>if</u> and <u>foreach</u>.

Example 1

Here is a very basic example of switching the binding context to a child object. Notice that in the databind attributes, it is *not* necessary to prefix latitude or longitude with coords., because the binding context is switched to coords.

```
<h1 data-bind="text: city"> </h1>

    Latitude: <span data-bind="text: latitude"> </span>,
    Longitude: <span data-bind="text: longitude"> </span>

<script type="text/javascript">
    ko.applyBindings({
        city: "London",
        coords: {
            latitude: 51.5001524,
            longitude: -0.1262362
        }
     });
</script>
```

Example 2

This interactive example demonstrates that:

- The with binding will dynamically add or remove descendant elements depending on whether the associated value is null/undefined or not
- If you want to access data/functions from parent binding contexts, you can use <u>special context</u>
 properties such as <u>sparent and spoot</u>.

Try it out:

```
Twitter account: @example Get tweets
```

Source code: View

Source code: View model

```
function AppViewModel() {
   var self = this;
   self.twitterName = ko.observable('@example');
```

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Parameters

Main parameter

The object that you want to use as the context for binding descendant elements.

If the expression you supply evaluates to null or undefined, descendant elements will *not* be bound at all, but will instead be removed from the document.

If the expression you supply involves any observable values, the expression will be re-evaluated whenever any of those observables change. Then, descendant elements will be cleared out, and **a new copy of the markup** will be added to your document and bound in the context of the new evaluation result.

- · Additional parameters
 - None

Note 1: Using "with" without a container element

Just like other control flow elements such as <u>if</u> and <u>foreach</u>, you can use <u>with</u> without any container element to host it. This is useful if you need to use <u>with</u> in a place where it would not be legal to introduce a new container element just to hold the <u>with</u> binding. See the documentation for <u>if</u> or <u>foreach</u> for more details.

Example:

The <!-- ko --> and <!-- /ko --> comments act as start/end markers, defining a "virtual element" that contains the markup inside. Knockout understands this virtual element syntax and binds as if you had a real container element.

Dependencies

None, other than the core Knockout library.

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