

Essential Knockout and JavaScript Tips

Round 4: Binding Handlers

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pluralsight 
hardcore developer training

Don't Shy Away From Binding Handlers



What's a Binding Handler Good For?



Top 4 Reasons to Create a Binding Handler

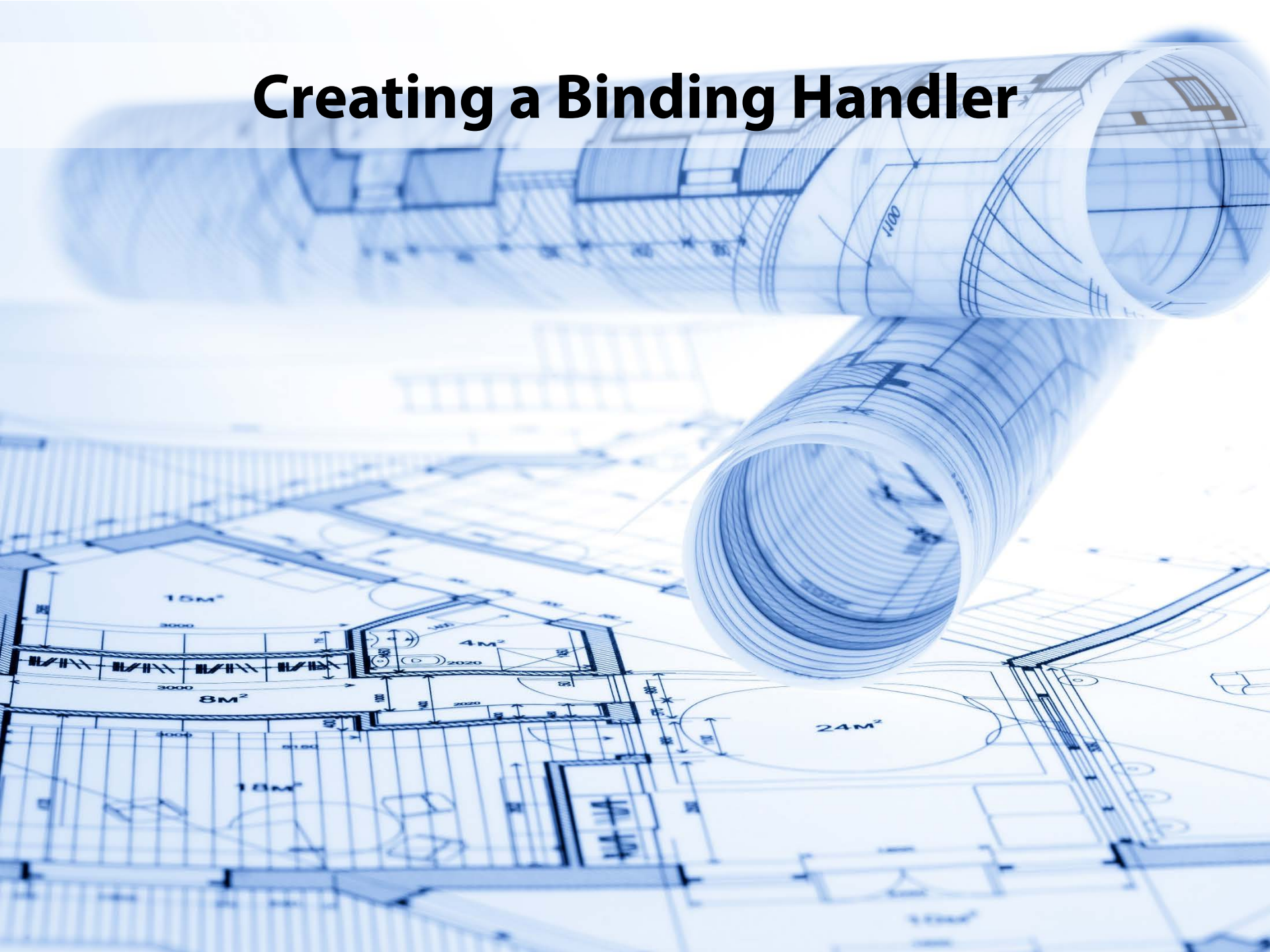
Manipulate
the DOM

Integrate with
3rd Party
Widgets

Move Code
from HTML to
JavaScript

Reuse
Presentation
Logic

Creating a Binding Handler



Simple DOM Manipulation

```
<div data-bind="fadeVisible: canShowDetails()">
```

Animate the Visibility of the DIV
into View Over a Period of Time

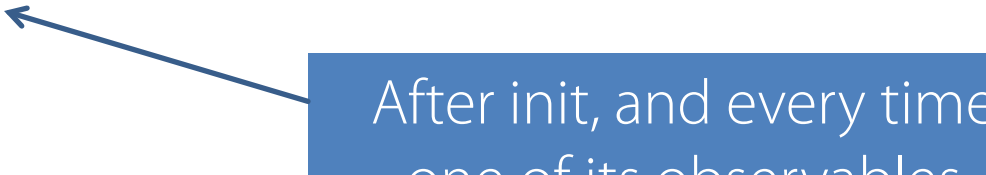
```
</div>
```

Init and Update

Runs the first time the binding is eval'd



```
ko.bindingHandlers.fadeVisible = {  
  init: function (element, valueAccessor) {  
  
  },  
  update: function (element, valueAccessor) {  
  
  }  
};
```



After init, and every time
one of its observables
changes

Binding Handler Parameters

The bound
element in the
DOM

What is passed
to the binding

All other bindings in the
same data-bind attribute

```
ko.bindingHandlers.fadeVisible = {  
  init: function (element, valueAccessor) {  
  
    // Start visible/invisible according to initial value  
    var shouldDisplay = valueAccessor();  
    $(element).toggle(shouldDisplay);  
  
  },  
  update: function (element, valueAccessor, allBindingsAccessor) {  
  
    // On update, fade in/out  
    var shouldDisplay = valueAccessor(),  
        allBindings = allBindingsAccessor(),  
        duration = allBindings.fadeDuration || 500;  
    shouldDisplay ? $(element).fadeIn(duration) : $(element).fadeOut(duration);  
  
  }  
};
```


Recap

Manipulate
the DOM

Widgets:
jQuery UI,
Bootstrap,
Kendo

Reduce data-
bind Contents

Reuse
Presentation
Logic

Wrapping Up Code into Distinct Ravioli



Bindings Can Be Very Helpful

