Essential Knockout and JavaScript Tips

What to Expect

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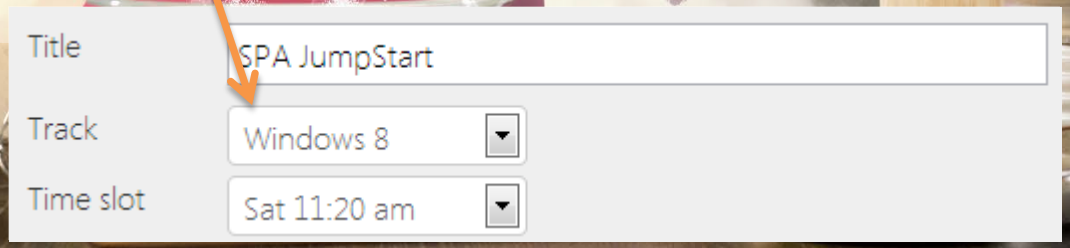
pluralsight
hardcore developer training

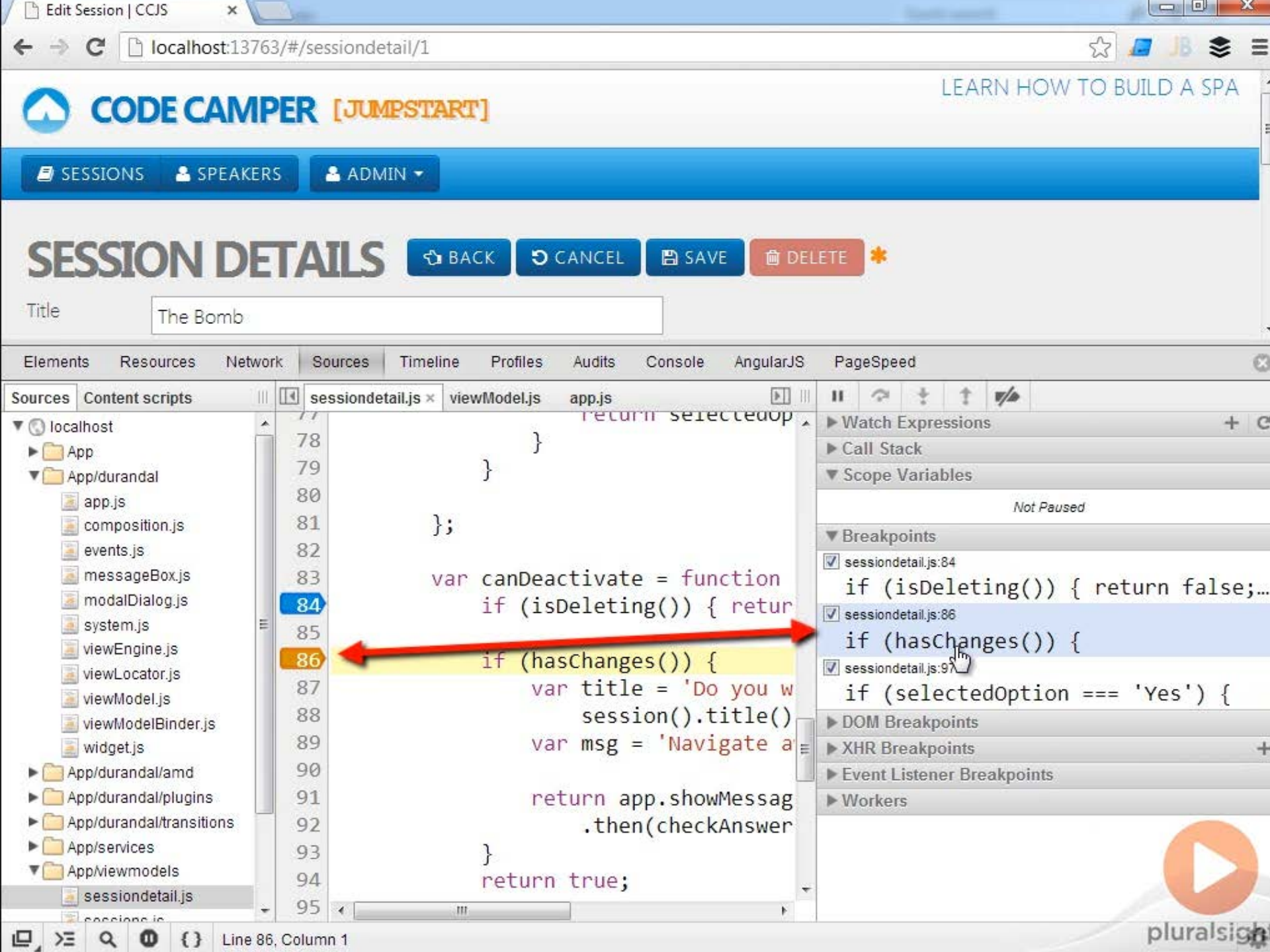
Round 1: Mastering Observables

Data Binding Techniques

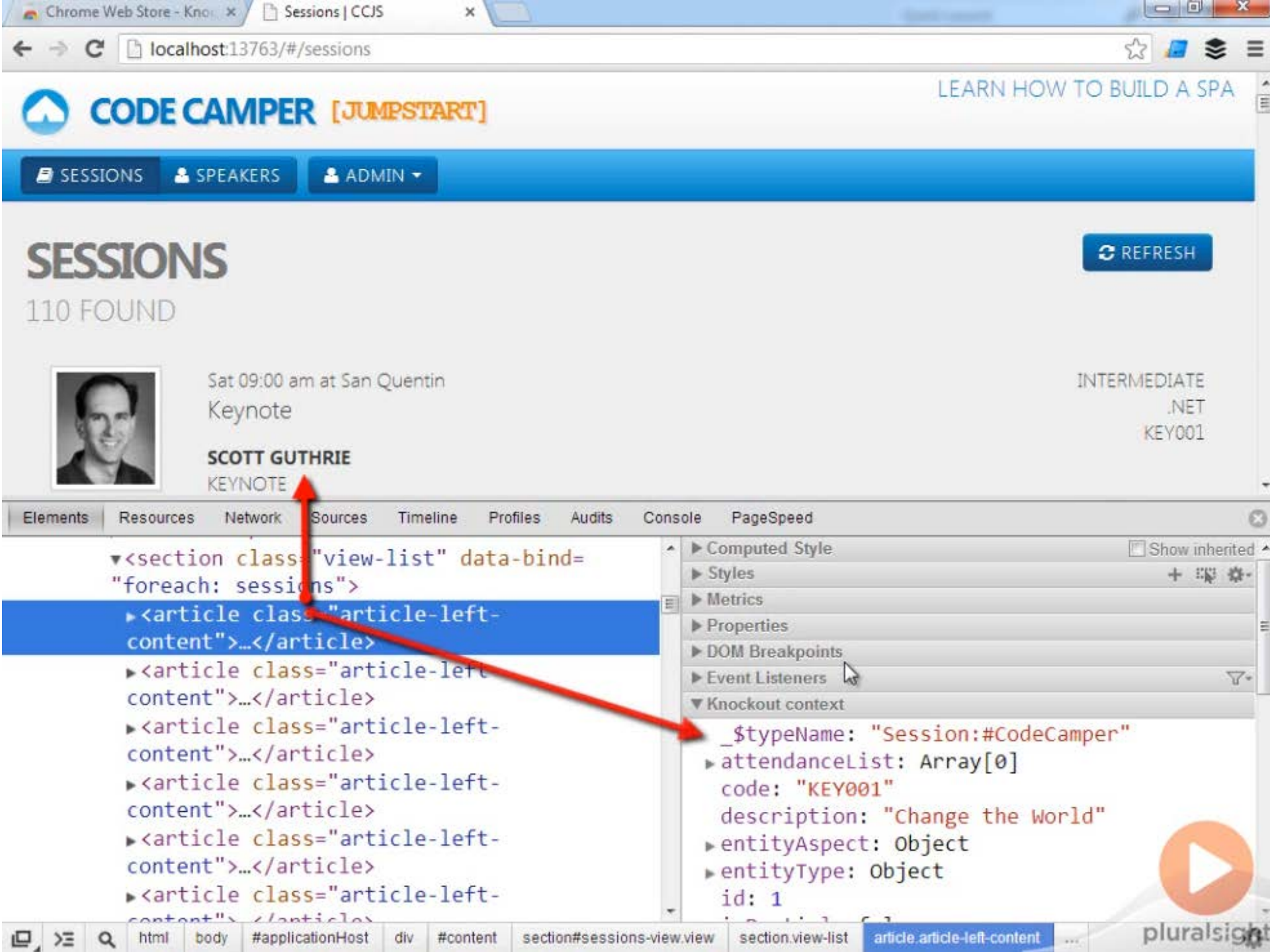
```
<div>
    <label for="title">Title</label>
    <input id="title" data-bind="value: session().title"/>
</div>
<div>
    <label>Track</label>
    <select data-bind="options: tracks,
            optionsText: 'name', value:  session().track">
    </select>
</div>
```



Round 2:
Debugging Knockout Code in JavaScript


Edit Session | CCJS
localhost:13763/#/sessiondetail/1
CODE CAMPER [JUMPSTART]
LEARN HOW TO BUILD A SPA
SESSIONS
SPEAKERS
ADMIN
SESSION DETAILS
BACK
CANCEL
SAVE
DELETE
Title
The Bomb
Elements
Resources
Network
Sources
Timeline
Profiles
Audits
Console
AngularJS
PageSpeed
Sources
Content scripts
sessiondetail.js
viewModel.js
app.js
localhost
App
App/durandal
app.js
composition.js
events.js
messageBox.js
modalDialog.js
system.js
viewEngine.js
viewLocator.js
viewModel.js
viewModelBinder.js
widget.js
App/durandal/amd
App/durandal/plugins
App/durandal/transitions
App/services
App/viewmodels
sessiondetail.js
78 }
79 }
80
81 };
82
83 var canDeactivate = function
84 if (isDeleting()) { retur
85
86 if (hasChanges()) {
87 var title = 'Do you w
88 session().title()
89 var msg = 'Navigate a
90
91 return app.showMessag
92 .then(checkAnswer
93 }
94 return true;
95
Watch Expressions
Call Stack
Scope Variables
Not Paused
Breakpoints
sessiondetail.js:84
if (isDeleting()) { return false;…
sessiondetail.js:86
if (hasChanges()) {
sessiondetail.js:97
if (selectedOption === 'Yes') {
DOM Breakpoints
XHR Breakpoints
Event Listener Breakpoints
Workers
Line 86, Column 1
pluralsight

Round 3: Inspecting Bindings at Run Time

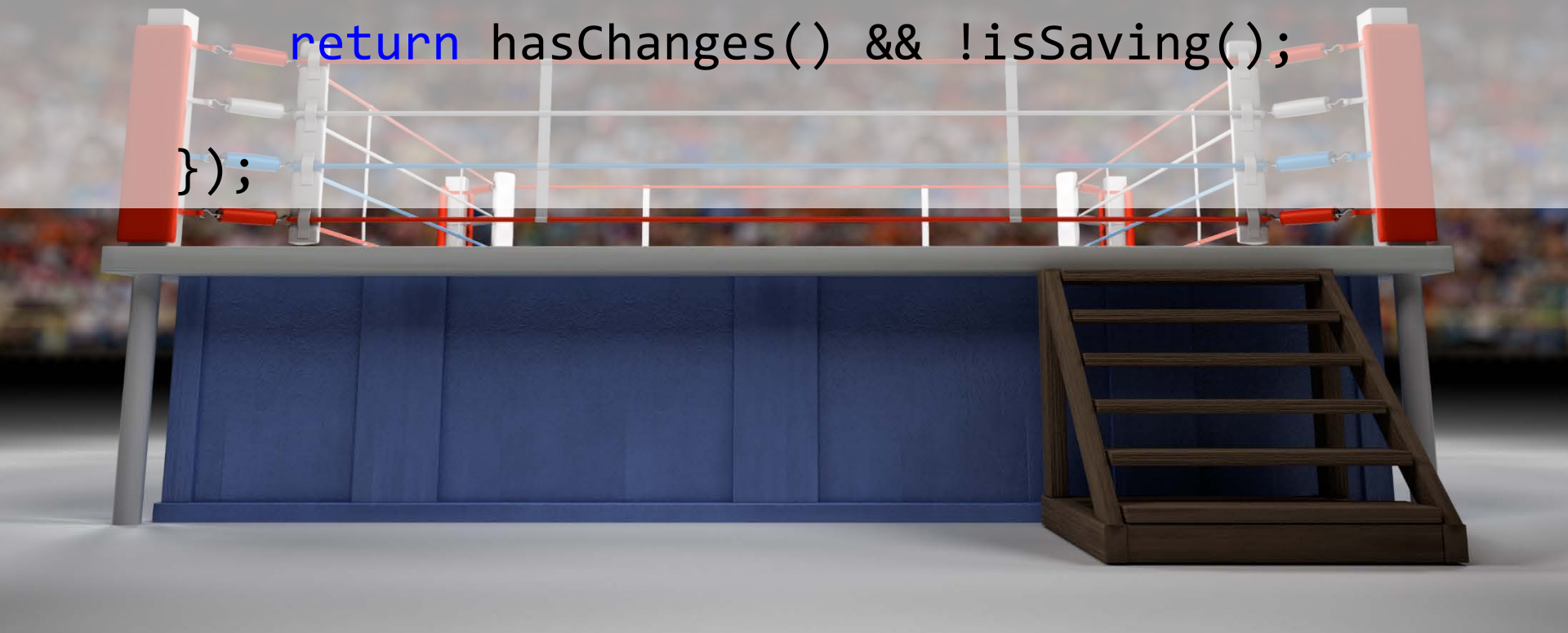

Chrome Web Store - Kno
Sessions | CCJS
localhost:13763/#/sessions
CODE CAMPER [JUMPSTART]
LEARN HOW TO BUILD A SPA
SESSIONS
SPEAKERS
ADMIN
SESSIONS
110 FOUND
REFRESH
Sat 09:00 am at San Quentin
Keynote
SCOTT GUTHRIE
KEYNOTE
INTERMEDIATE
.NET
KEY001
Elements
Resources
Network
Sources
Timeline
Profiles
Audits
Console
PageSpeed
<section class="view-list" data-bind="foreach: sessions">
<article class="article-left-content">…</article>
Computed Style
Show inherited
Styles
Metrics
Properties
DOM Breakpoints
Event Listeners
Knockout context
_$typeName: "Session:#CodeCamper"
attendanceList: Array[0]
code: "KEY001"
description: "Change the World"
entityAspect: Object
entityType: Object
id: 1
html
body
#applicationHost
div
#content
section#sessions-view.view
section.view-list
article.article-left-content
pluralsight

Round 4:
Don't Shy Away From Binding Handlers

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

    },
    update: function (element, valueAccessor) {

    }
};
```

Round 5: Computeds are Versatile

```
var canSave = ko.computed(function() {

    return hasChanges() && !isSaving();

});
```



Round 6: Manual Subscriptions

```
var movie = ko.observable();

movie.subscribe(function (val) {
    console.log(val);
})
```

Round 7: Events and Performance

Event Delegation

```
<ul data-bind="foreach: people,
                delegatedHandler: click">
    <li>
        <h3 data-bind="text: name"
            data-click="selectPerson"></h3>
    </li>
</ul>
```

Round 8: Performance

Performance Tips

Loading a large observableArray

Throttling