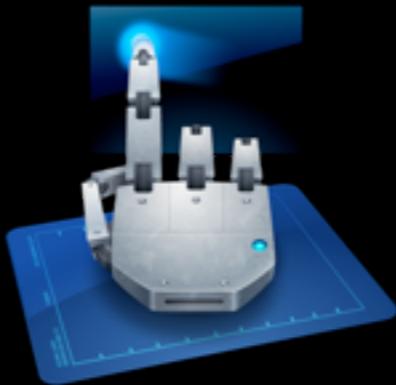


UI Automation





@jonathanpenn



@jonathanpenn



DESIGNING
INTERACTIVE



@jonathanpenn



DESIGNING
INTERACTIVE

cocoamanifest.net

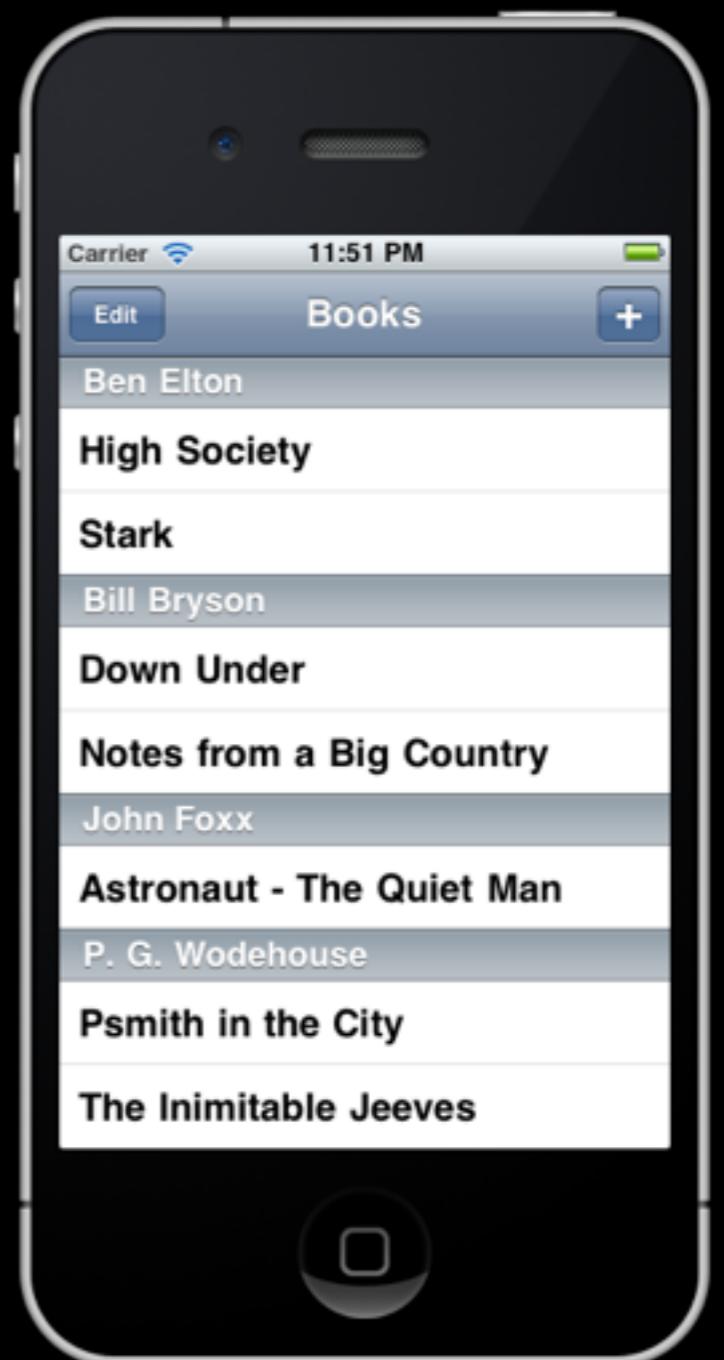
Articles expanding on UI Automation

<http://cocoamanifest.net/features>

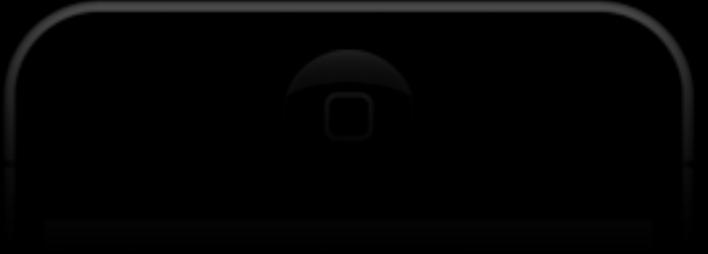
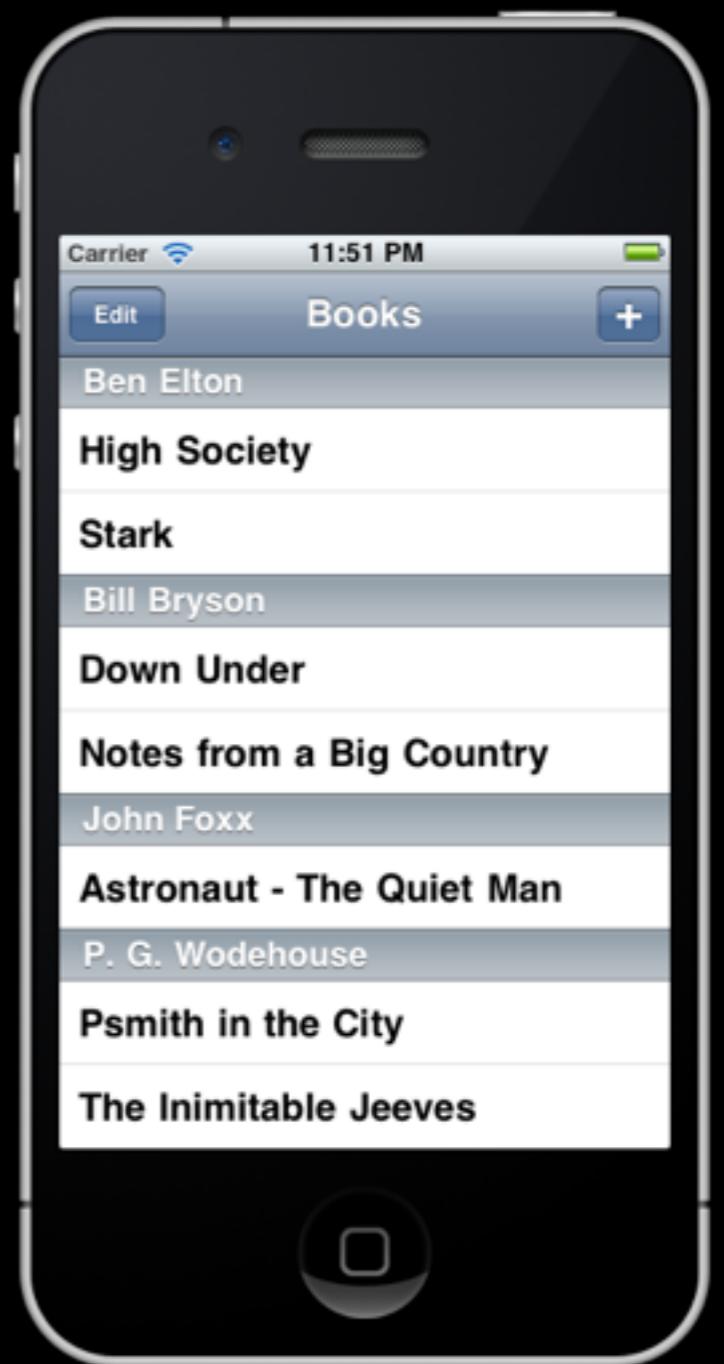
First, some theory...



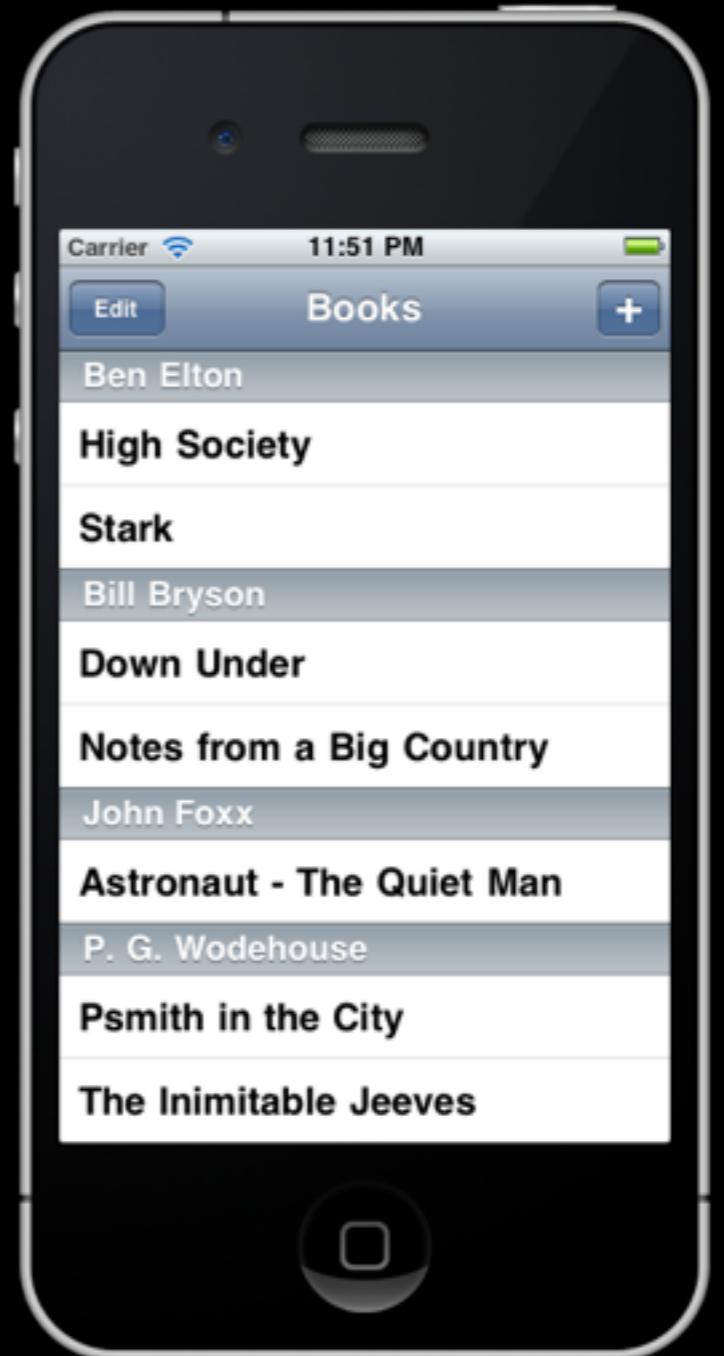
Edge cases



Wired up right?



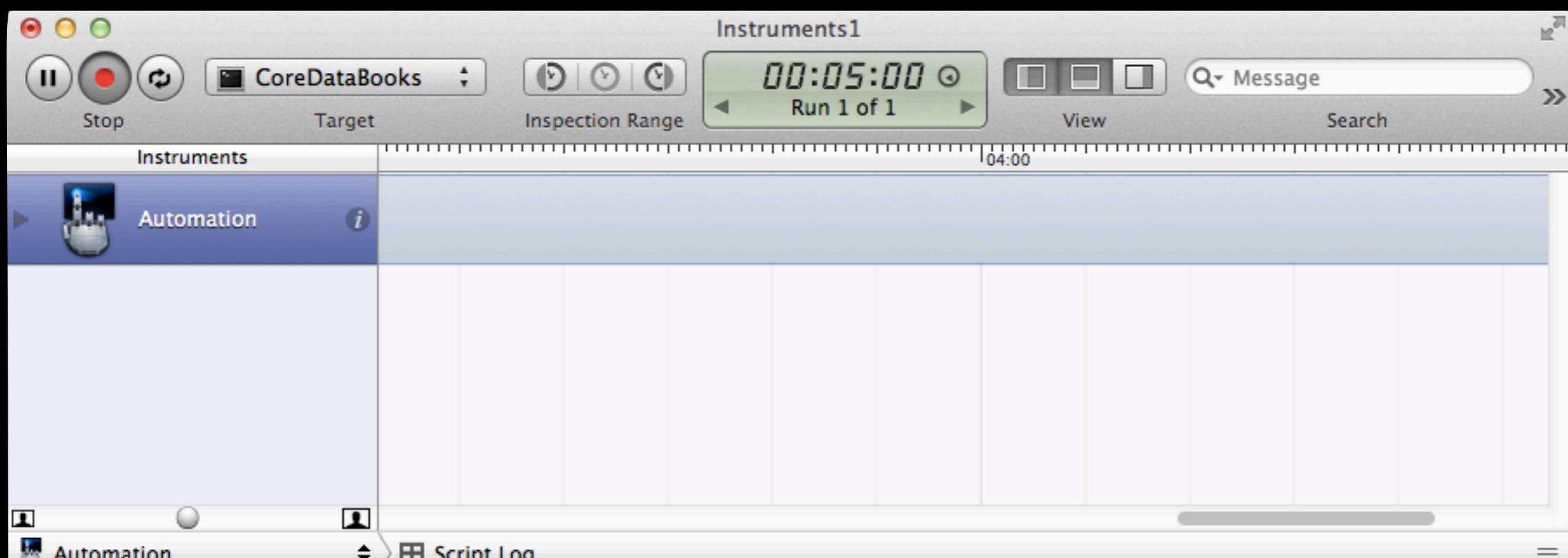
Custom controls

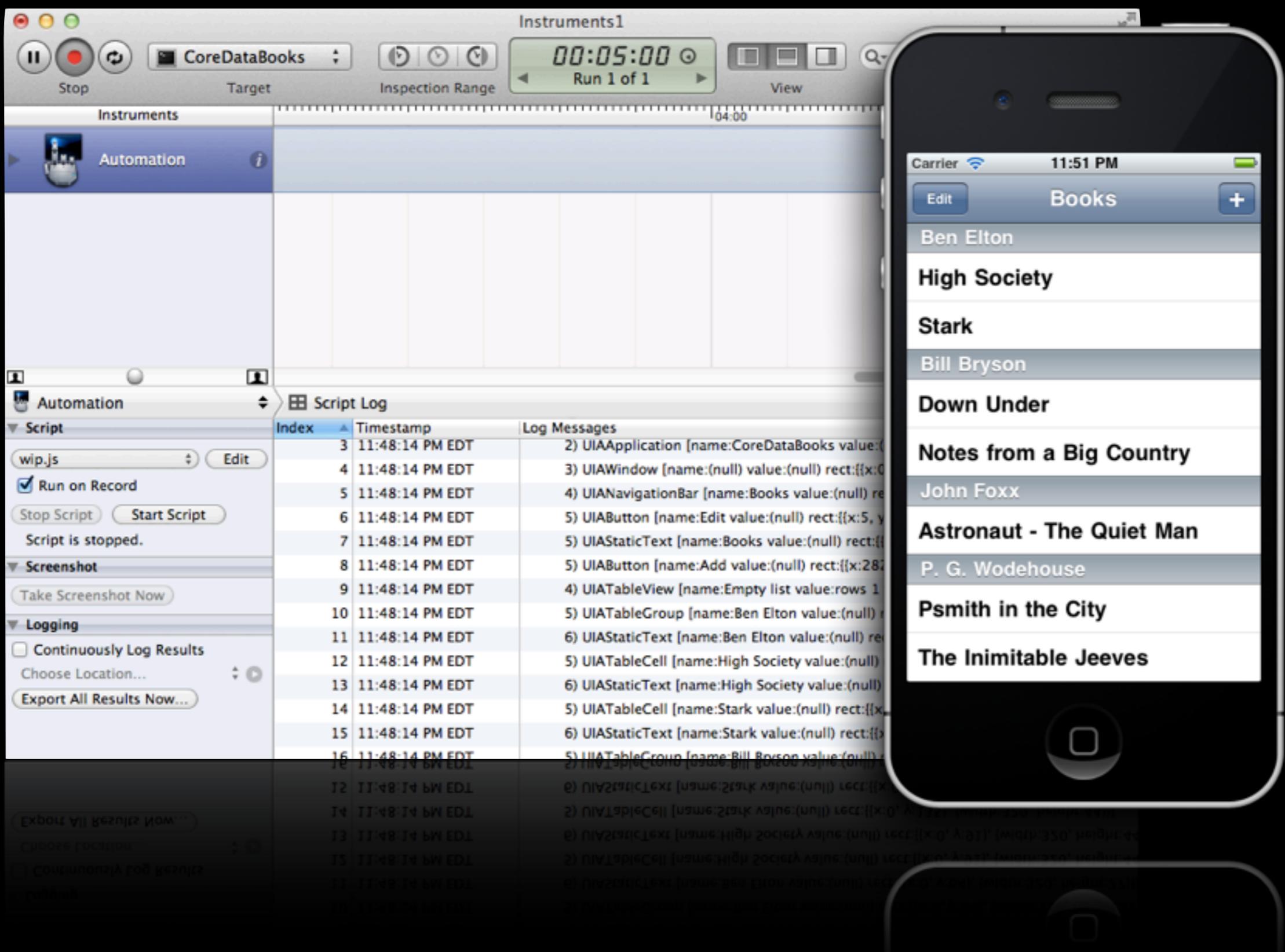


Think like a user



What is it?





```
window.buttons().firstWithName("Edit").tap();
```

```
window.buttons().firstWithName("Edit").tap();  
  
device.shake();
```

```
window.buttons().firstWithName("Edit").tap();  
device.shake();
```



JavaScript 101

```
var firstName = "Jonathan";  
  
function fullName()  
{  
    var lastName = "Penn";  
    return firstName + " " + lastName;  
}  
  
fullName(); // "Jonathan Penn"
```

```
var firstName = "Jonathan";  
  
var fullName = function()  
{  
    var lastName = "Penn";  
    return firstName + " " + lastName;  
}  
  
fullName(); // "Jonathan Penn"
```

```
var array = [1, 2, "c", "all of the above"];  
  
array[2];      // "c"
```

```
var object = {  
    firstName: "Jonathan",  
  
    getName: function() {  
        return this.firstName;  
    }  
}  
  
object.firstName;          // or  
object['firstName'];      // returns "value"  
  
object.getName();         // returns "Jonathan"  
  
object.lastName = "Penn";  
object['maiden name'] = "n/a";
```


Demo!

(almost)

UIATarget

```
var target = UIATarget.localTarget();
```

UIAElement

```
var element = target.frontMostApp().mainWindow();  
  
element.elements();  
element.buttons();  
element.textFields();  
element.tableViews();  
// ...
```

UIAElementArray

```
var buttons = element.buttons()  
  
// these return a filtered UIAElementArray  
buttons.withName("Done");  
buttons.withPredicate(...);  
  
// these return a UIAElement  
buttons.firstWithName("Edit");  
buttons["Edit"];  
buttons[0];
```

UIATarget
UIAElement
UIAElementArray

Let me Google that for you...

"UI Automation Reference"

<http://developer.apple.com/library/ios/documentation/DeveloperTools/Reference/UIAutomationRef/>

Also in the installed Xcode documentation

Demo!

(finally)

UI Automation





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Thank You.



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Questions?