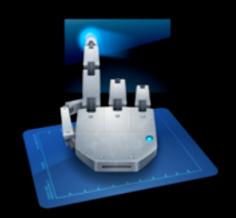
UI Automation



CocoaConf: March 2012 Jonathan Penn



@jonathanpenn



@jonathanpenn





@jonathanpenn



cocoamanifest.net

Articles expanding on UI Automation

http://cocoamanifest.net/features

First, some theory...





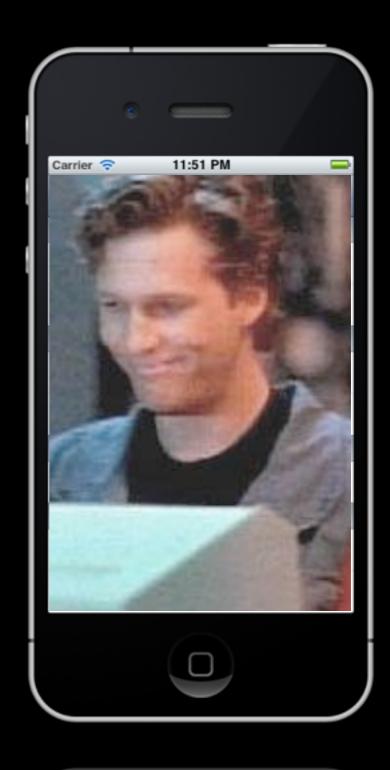
Wired up right?



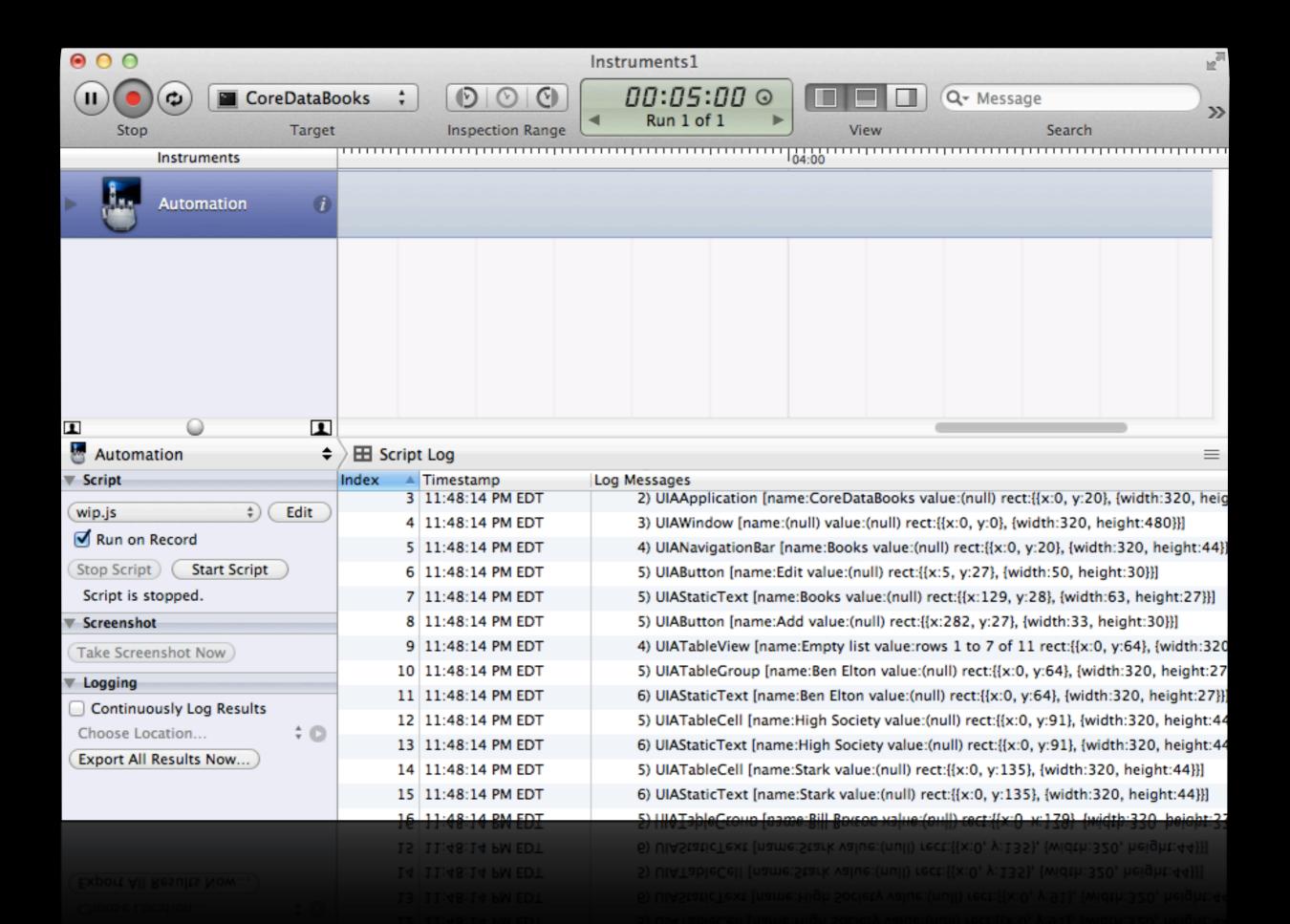
Custom controls

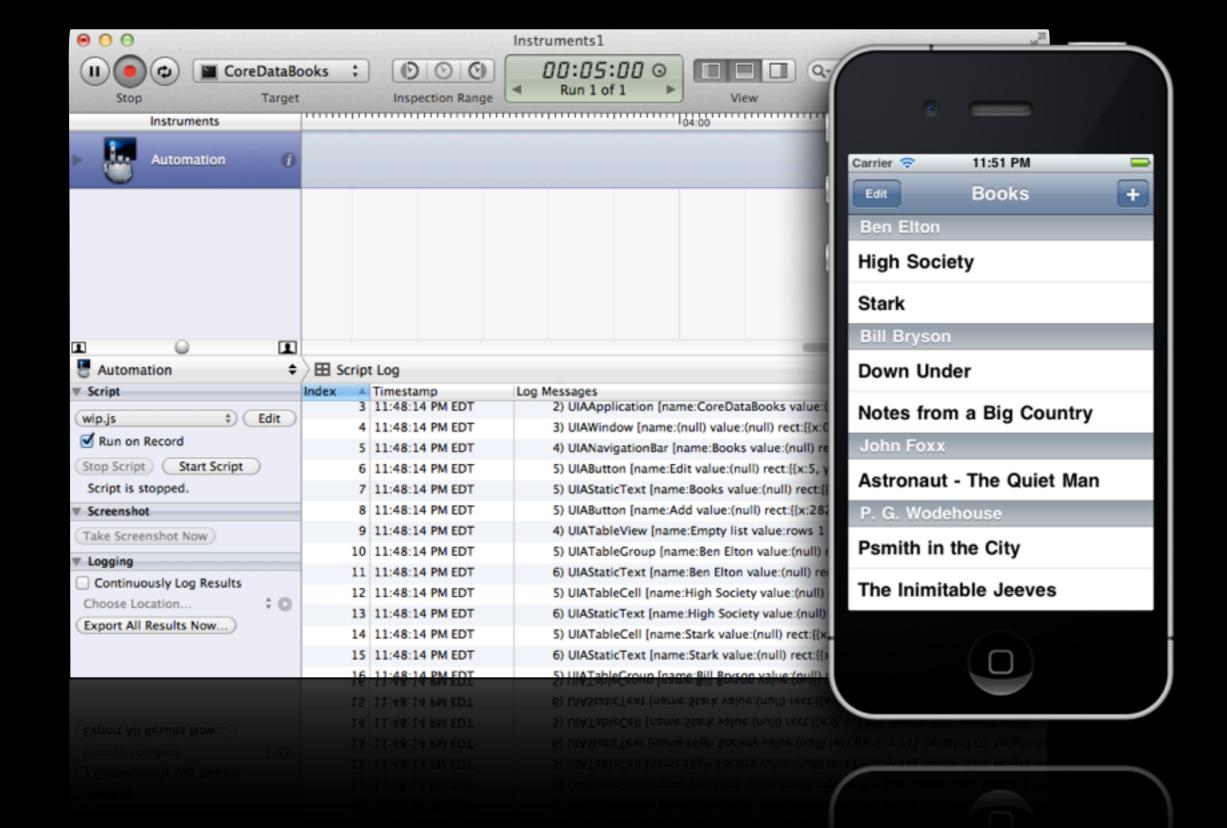


Think like a user



What is it?





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




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 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"

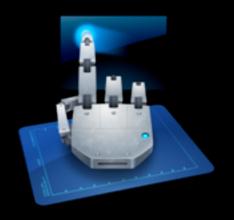
http://developer.apple.com/library/ios/documentation/ DeveloperTools/Reference/UIAutomationRef/

Also in the installed Xcode documentation

Demo!

(finally)

UI Automation





Jonathan Penn

@jonathanpenn

jonathan@cocoamanifest.net

http://cocoamanifest.net



Jonathan Penn

@jonathanpenn

jonathan@cocoamanifest.net

http://cocoamanifest.net

Thank You.



Jonathan Penn

@jonathanpenn

jonathan@cocoamanifest.net

http://cocoamanifest.net

Questions?