

WELCOME TO
CAPPCON 2016



TELL THE WORLD

PLEASE?

#cappcon2016



@cappuccino

AGENDA

Alexander Ljunberg 9:00 - 10:00

Cappuccino and Nuage Networks - Antoine Mercadal 10:15 - 11:00

Cappuccino and Oops - Martin Carlberg 11:15 - 12:00

Cappuccino and RW Elephant - Tim Howell 14:00 - 14:45

How to test a Cappuccino Application? - Alexandre Wilhelm 15:00 - 15:45

How to deal with a big Cappuccino Application? - Christophe Serafin 16:00 - 16:45

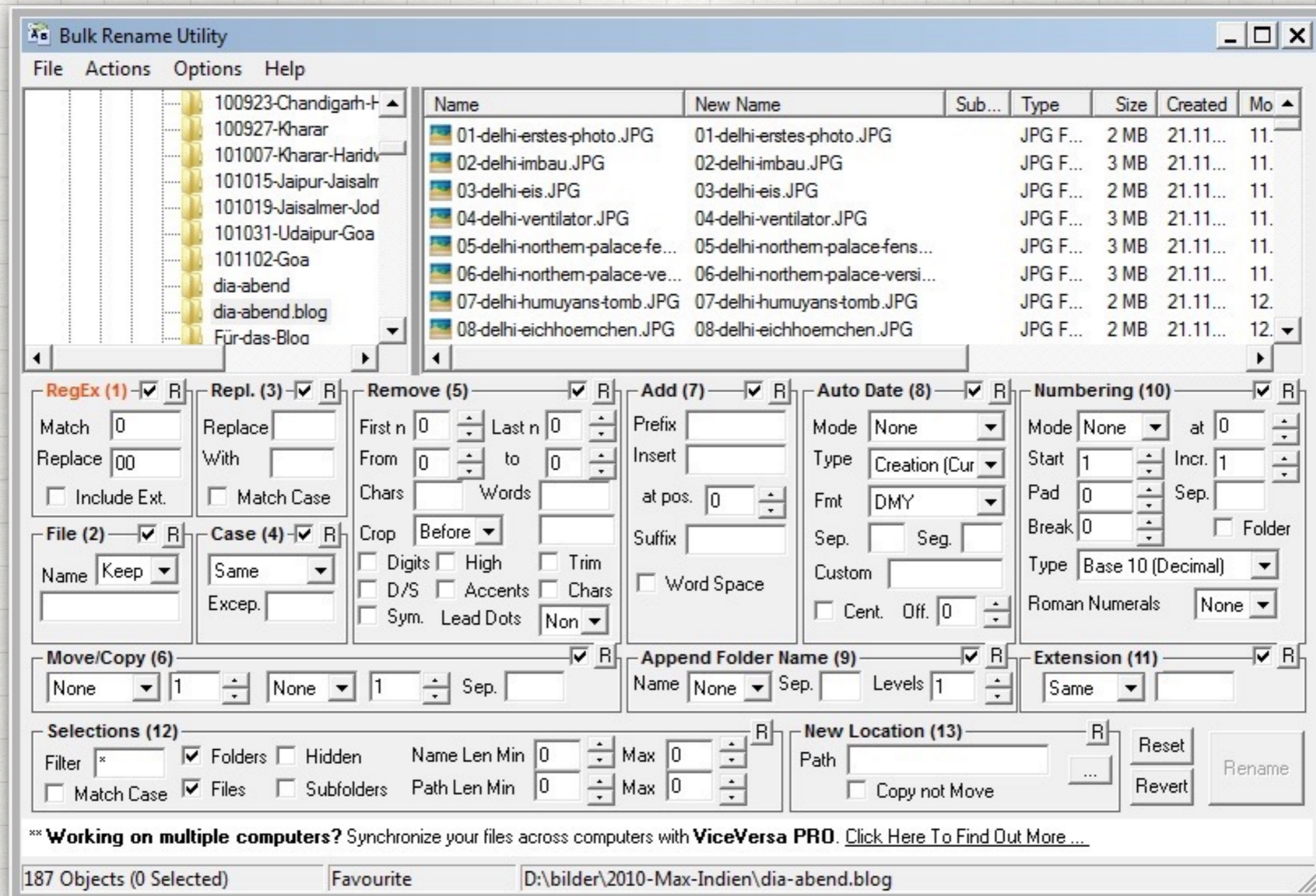
Panel Discussion - Core Team Members of Cappuccino 17:00 - 18:00

Closing talk - Alexander Ljunberg 18:00 - 18:15

ME

THE LOST YEARS OF THE WEB

UI NEEDS SOME WORK



A REAL TOKEN FIELD

HARDER THAN IT LOOKS

Missouri California

This token field can't fit all its tokens.

Colorado Nevada Nevada

This token field contains represented objects.

Luc Vauvillier John Doe Amélie Poulain Jean Valjean

Get Object Values

Token transformations

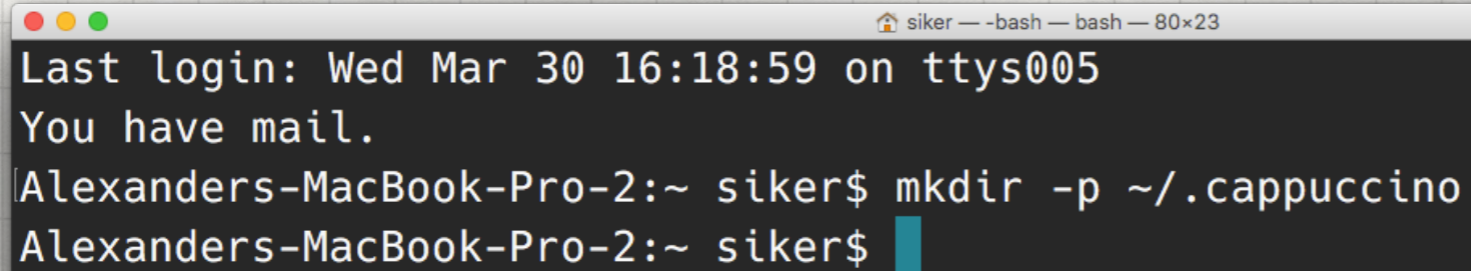
Editable Menus Close Buttons

CAPPUCCINO

0.9.9

CAPP_ENV

VIRTUAL ENVIRONMENTS FOR CAPPUCINO

A terminal window with a dark background and white text. The window title bar shows a home icon, the user 'siker', and the shell '-bash'. The terminal output shows a login message, a mail notification, and a successful directory creation command.

```
siker — -bash — bash — 80x23
Last login: Wed Mar 30 16:18:59 on ttys005
You have mail.
Alexanders-MacBook-Pro-2:~ siker$ mkdir -p ~/.cappuccino
Alexanders-MacBook-Pro-2:~ siker$
```

CAPP_ENV

VIRTUAL ENVIRONMENTS FOR CAPPUCINO

```
dev -- bash -- bash -- 80x23
Alexanders-MacBook-Pro-2:dev siker$ capp_env -p ~/.cappuccino/environments/v0.9.9
Path already exists. abort
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
  100 15910   100 15910    0     0   5878      0  0:00:02  0:00:02  --:--:--  5877

      ( )
  /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_\_
 \_/\_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_\_
  /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_\_

Welcome to Cappuccino!

=====

Version v0.9.7-1

http://cappuccino-project.org
http://github.com/cappuccino/cappuccino
irc://irc.freenode.org#cappuccino
```

CAPP_ENV

VIRTUAL ENVIRONMENTS FOR CAPPUCCHINO

```
demo — -bash — bash — 80x23
(v0.9.9)Alexanders-MacBook-Pro-2:demo siker$ capp gen -l -t NibApplication CappC
on
Creating Frameworks directory in /Users/siker/dev/demo/CappCon/Frameworks...
Symlinking /Users/siker/.cappuccino/environments/v0.9.9/build/Release/Objective-
J ==> /Users/siker/dev/demo/CappCon/Frameworks/Objective-J
Symlinking /Users/siker/.cappuccino/environments/v0.9.9/build/Debug/Objective-J
==> /Users/siker/dev/demo/CappCon/Frameworks/Debug/Objective-J
Symlinking /Users/siker/.cappuccino/environments/v0.9.9/build/Release/Foundation
==> /Users/siker/dev/demo/CappCon/Frameworks/Foundation
Symlinking /Users/siker/.cappuccino/environments/v0.9.9/build/Debug/Foundation =
=> /Users/siker/dev/demo/CappCon/Frameworks/Debug/Foundation
Symlinking /Users/siker/.cappuccino/environments/v0.9.9/build/Release/AppKit ==>
/Users/siker/dev/demo/CappCon/Frameworks/AppKit
Symlinking /Users/siker/.cappuccino/environments/v0.9.9/build/Debug/AppKit ==> /
Users/siker/dev/demo/CappCon/Frameworks/Debug/AppKit
(v0.9.9)Alexanders-MacBook-Pro-2:demo siker$
```

CAPP_ENV

VIRTUAL ENVIRONMENTS FOR CAPPUCCINO

```
CappCon — -bash — bash — 80x23
(v0.9.9)Alexanders-MacBook-Pro-2:CappCon siker$ capp --version
cappuccino 0.9.9 (2016-03-31 ecac17)
(v0.9.9)Alexanders-MacBook-Pro-2:CappCon siker$ source ~/.cappuccino/environment
s/v0.9.8/bin/activate
(v0.9.8)Alexanders-MacBook-Pro-2:CappCon siker$ capp --version
cappuccino 0.9.8 (2016-03-30 d39bcf)
(v0.9.8)Alexanders-MacBook-Pro-2:CappCon siker$ █
```

XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.

The screenshot displays the XcodeCapp application interface. The main window, titled "XcodeCapp", shows a project browser on the left with three projects: "idid", "ThemeKitchenSink", and "CappCon". The "CappCon" project is selected, and its settings are displayed on the right. The settings are organized into three tabs: "Settings", "Errors & Warnings", and "Operations". The "Settings" tab is active, showing the following options:

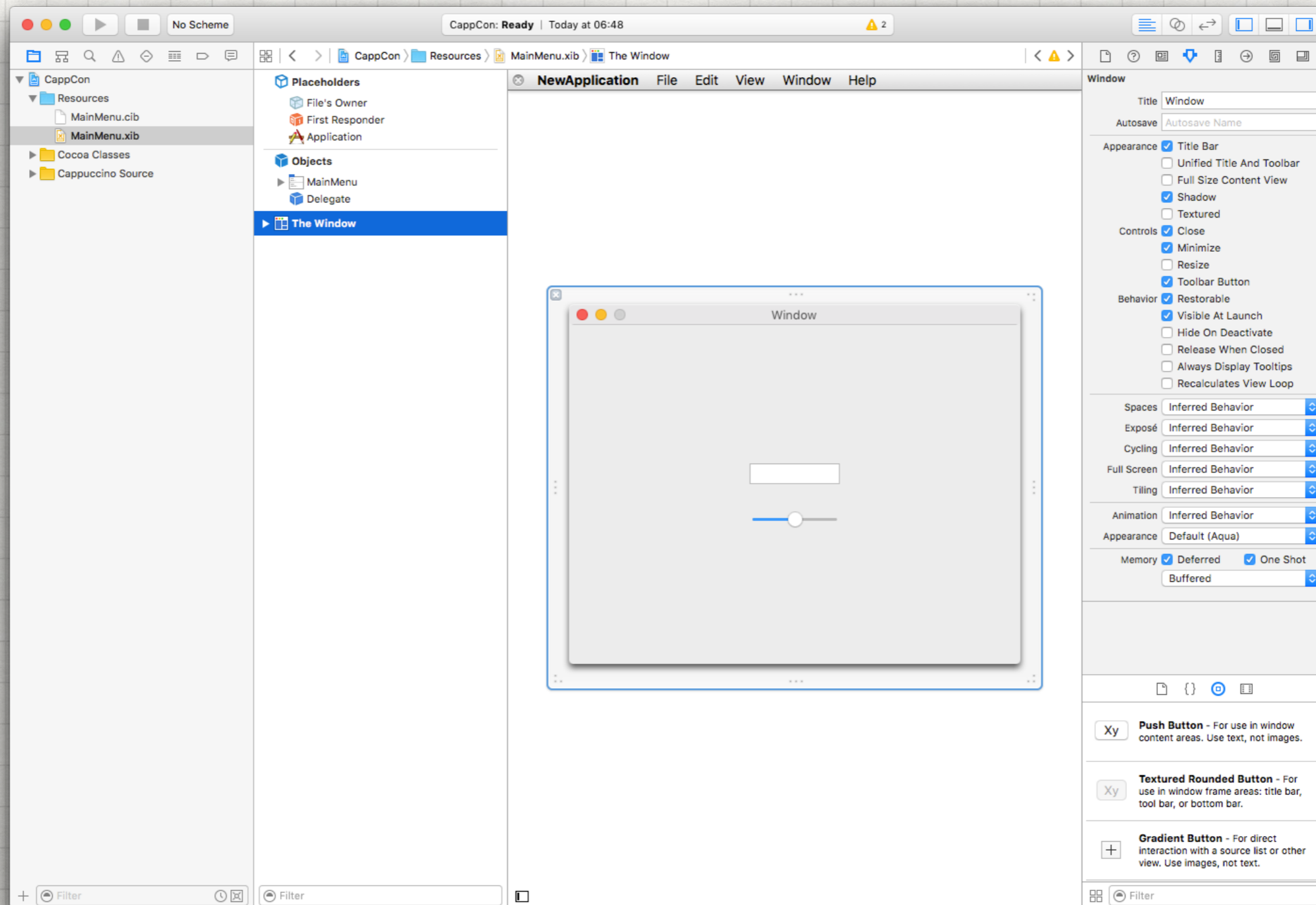
- Processing**
 - Create Objective-C class pairs**
Create an Objective-C class pair from each Objective-J file
 - Convert interface files**
Automatically convert XIB files to Cappuccino CIB files
 - Check for compilation warnings**
Check your code for compilation warnings
 - Check code style**
Check your code against the Cappuccino code style guidelines
- Additional Toolchain Paths** (Paths to check for Cappuccino toolchain binaries)
~/bin
- Auxiliary Frameworks Path** (Path to check for auxiliary Cappuccino libraries)
/Users/siker/dev/demo/CappCon/Frameworks/Debug
- Folders & Files Ignoring Patterns** (Patterns of files and folders to ignore)

An "About" dialog box is also visible in the foreground, featuring the XcodeCapp logo (a stylized robot head) and the following text:

XcodeCapp
Version 4.0
Copyright © 2012-2015 The Cappuccino Project

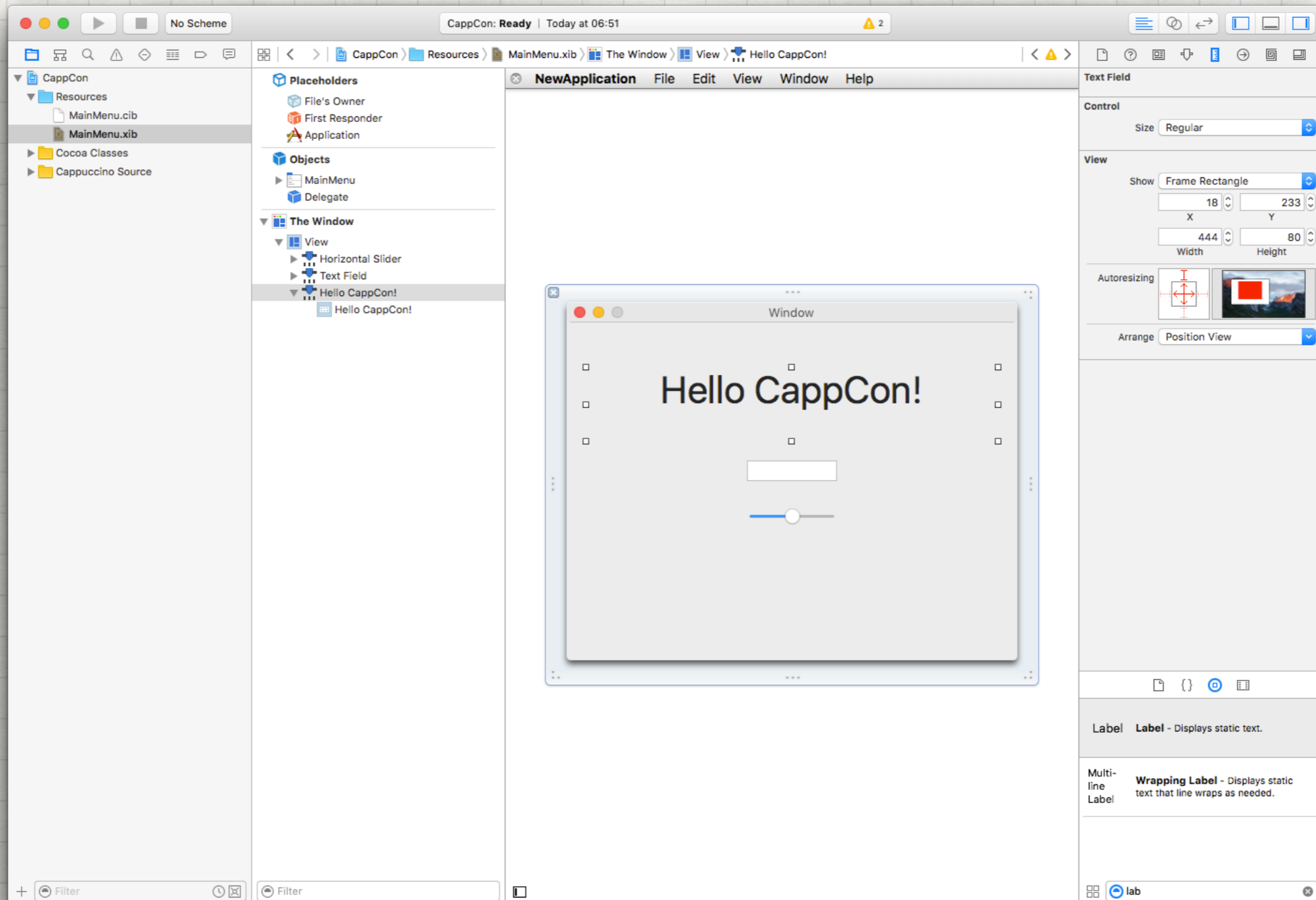
XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



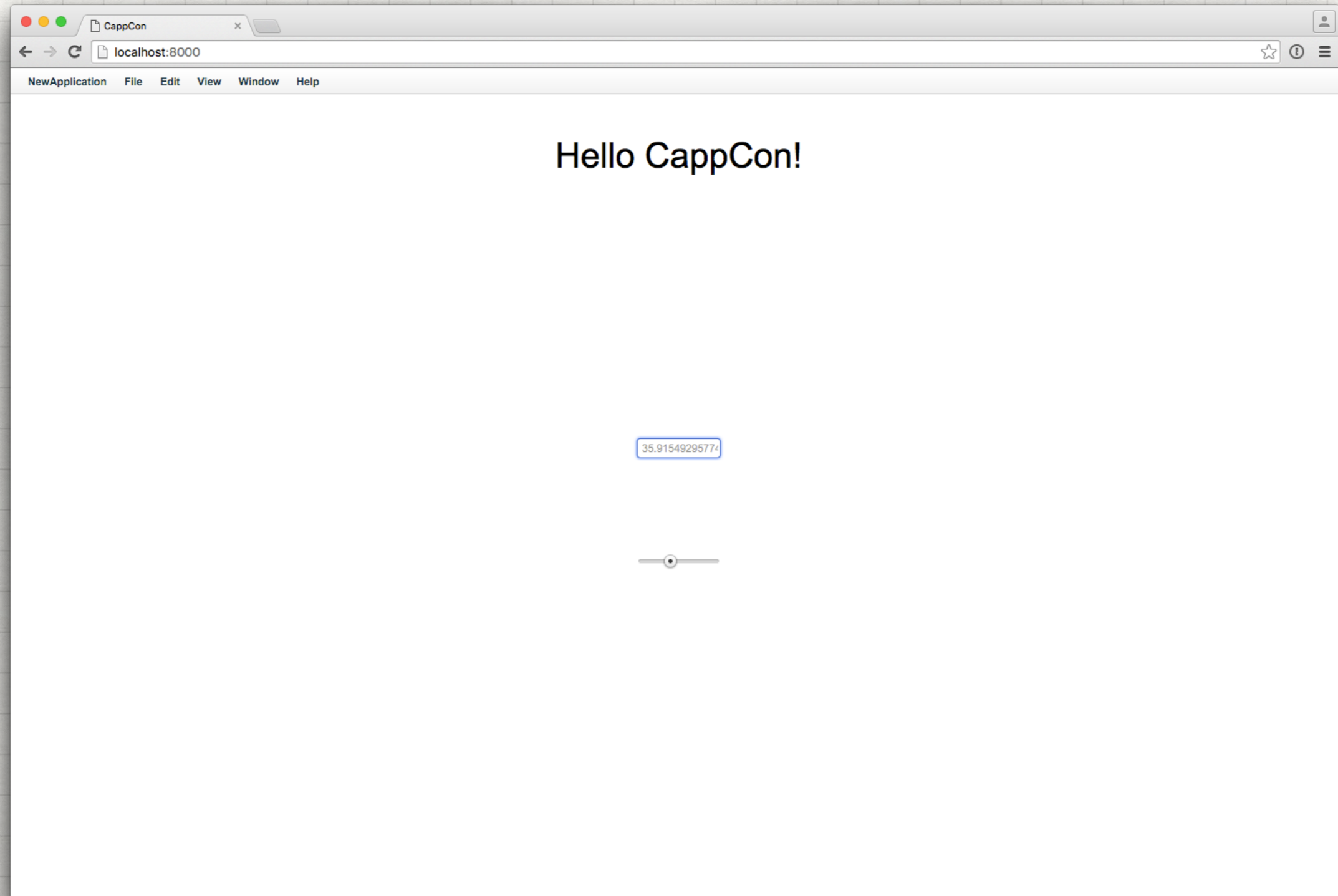
XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



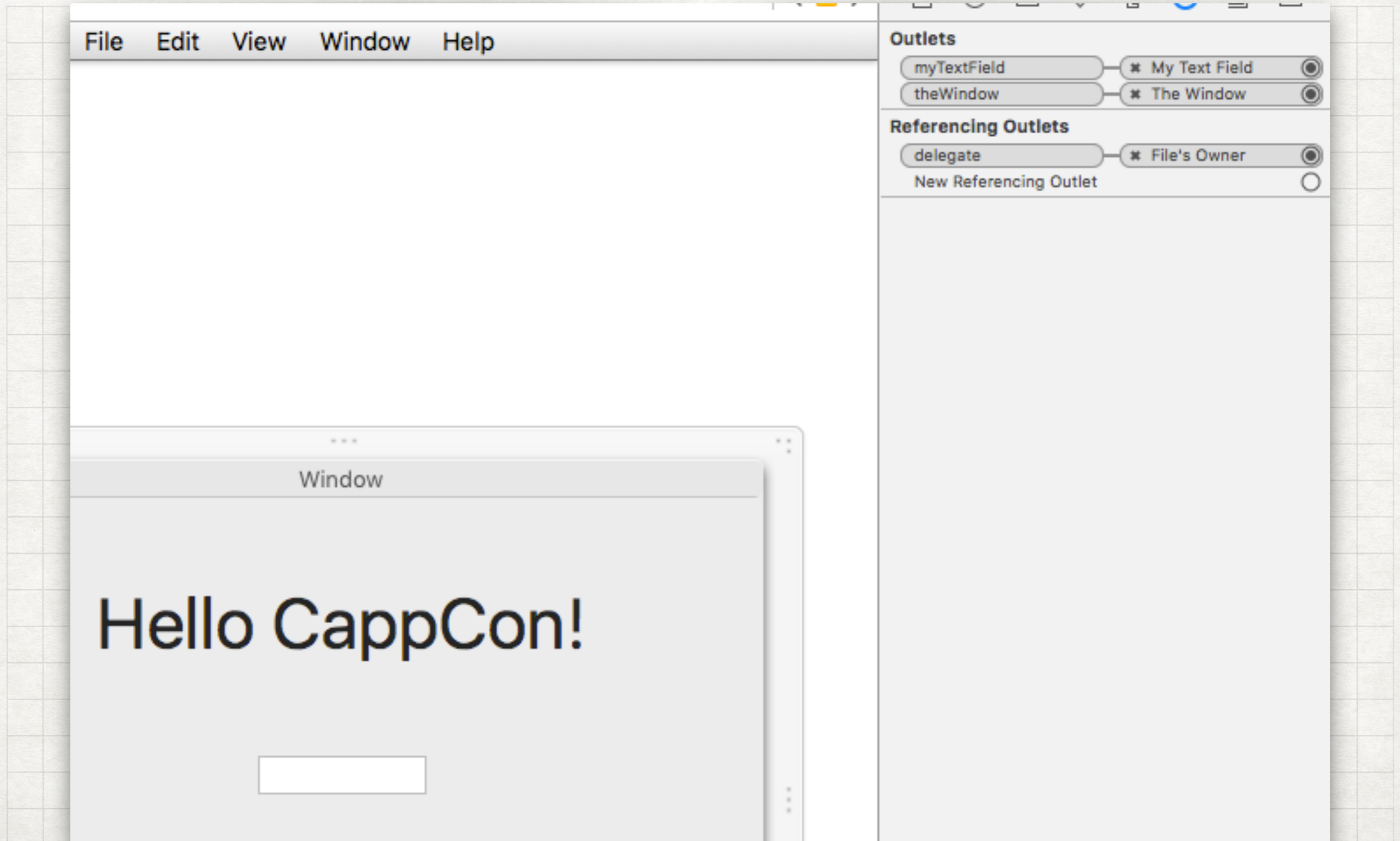
XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.

```
3  *·CappCon·
4  *·
5  *·Created·by·You·on·March·31,·2016·
6  *·Copyright·2016,·Your·Company·All·rights·reserved·
7  */·
8  ·
9  @import·<Foundation/Foundation.j>·
10 @import·<AppKit/AppKit.j>·
11 ·
12 ·
13 @implementation·AppController·:·CPObject·
14 {·
15     ····@outlet·CPWindow·theWindow;·
16     ····@outlet·CPTextField·myTextField;·
17 }·
18 ·
19 ·
20 -·(void)applicationDidFinishLaunching:(CPNotification)aNotification·
21 {·
22     ····//·This·is·called·when·the·application·is·done·loading·
23 }·
24 ·
25 -·(void)awakeFromCib·
26 {·
27     ····//·This·is·called·when·the·cib·is·done·loading·
28     ····//·You·can·implement·this·method·on·any·object·instantiated·from·a·
29     ····Cib·
30     ····//·It's·a·useful·hook·for·setting·up·current·UIT·values·and·other·
```

XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.

```
13 ▾ @implementation AppDelegate : NSObject
14 ▾ {
15     ... @outlet UIWindow *theWindow;
16
17     ... @outlet UITextField *myTextField;
18 ▸ }
19
20 - (void)applicationDidFinishLaunching:(NSNotification *)aNotification
21 ▾ {
22     ... // This is called when the application is done loading.
23 ▸ }
24
25 - (void)awakeFromNib
26 ▾ {
27     ... // This is called when the nib is done loading.
28     ... // You can implement this method on any object instantiated from a
29     .      Cib.
30     ... // It's a useful hook for setting up current UI values, and other
31     .      things.
32     ... // In this case, we want the window from Cib to become our full
33     .      browser window
34     ... [theWindow setFullPlatformWindow:YES];
35     ... [myTextField setEditable:NO];
36 ▸ }
37
```

XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.

```
13 ▾ @implementation ApplicationController : CPObject
14 ▾ {
15     ... @outlet CPWindow ... theWindow;
16     ...
17     ... @outlet CPTextField myTextField;
18     ...
19     ...
20     - (void)applicationDidFinishLaunching:(CPNotification)aNotification
21     {
22         ... // This is called when the application is done loading.
23     }
24     ...
25     - (void)awakeFromCib
26     {
27         ... // This is called when the cib is done loading.
28         ... // You can implement this method on any object instantiated from a
                . Cib.
29         ... // It's a useful hook for setting up current UI values, and other
                . things.
30     }
31     ... // In this case, we want the window from Cib to become our full
                . browser window
32     ... [theWindow setFullPlatformWindow:YES];
33     ...
34     ... [myTextField setEditable:NO];
35     ...
36     ...
37     ...
```



AppController.j

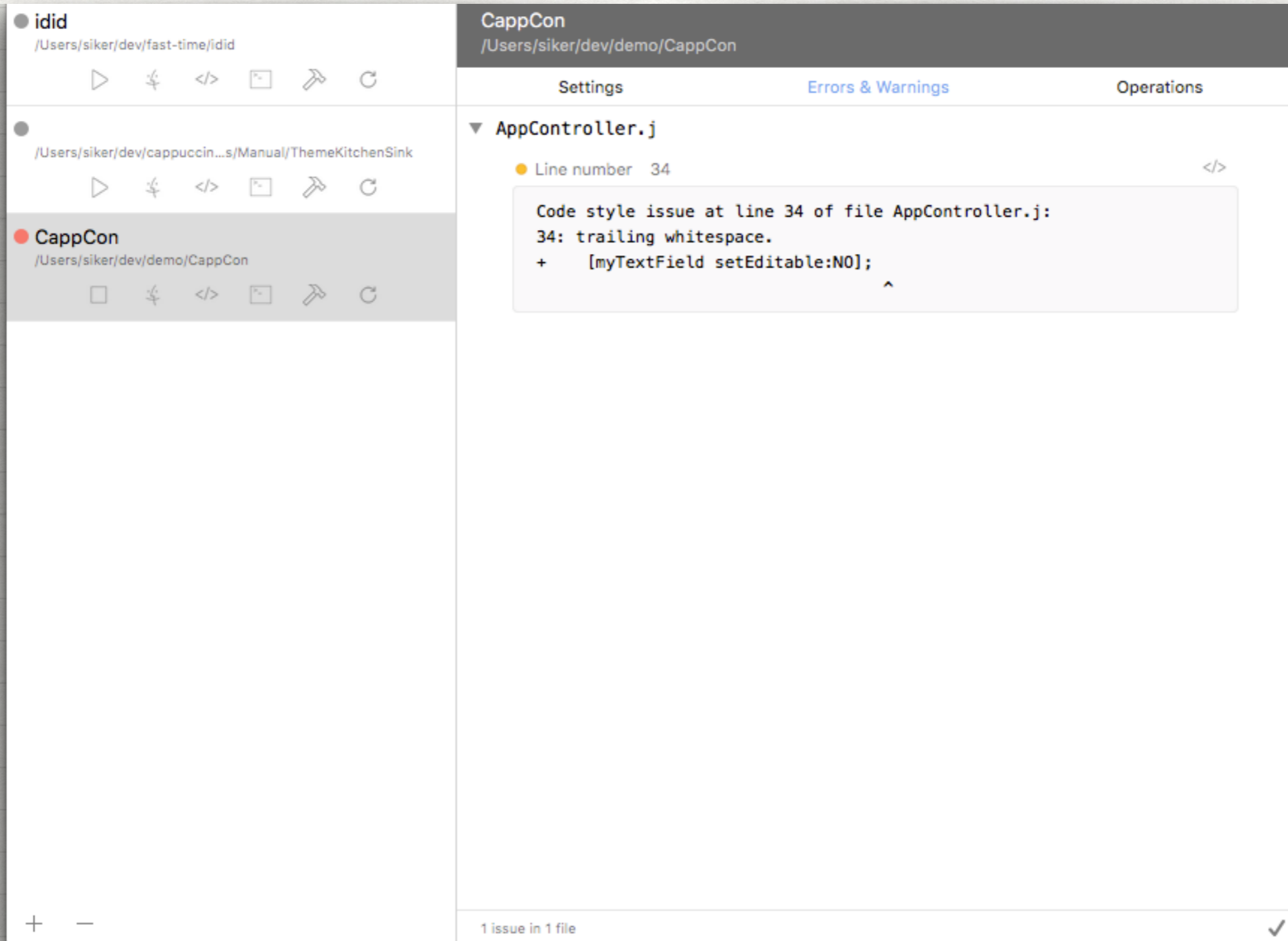
Verifying coding style has failed

Close

Show

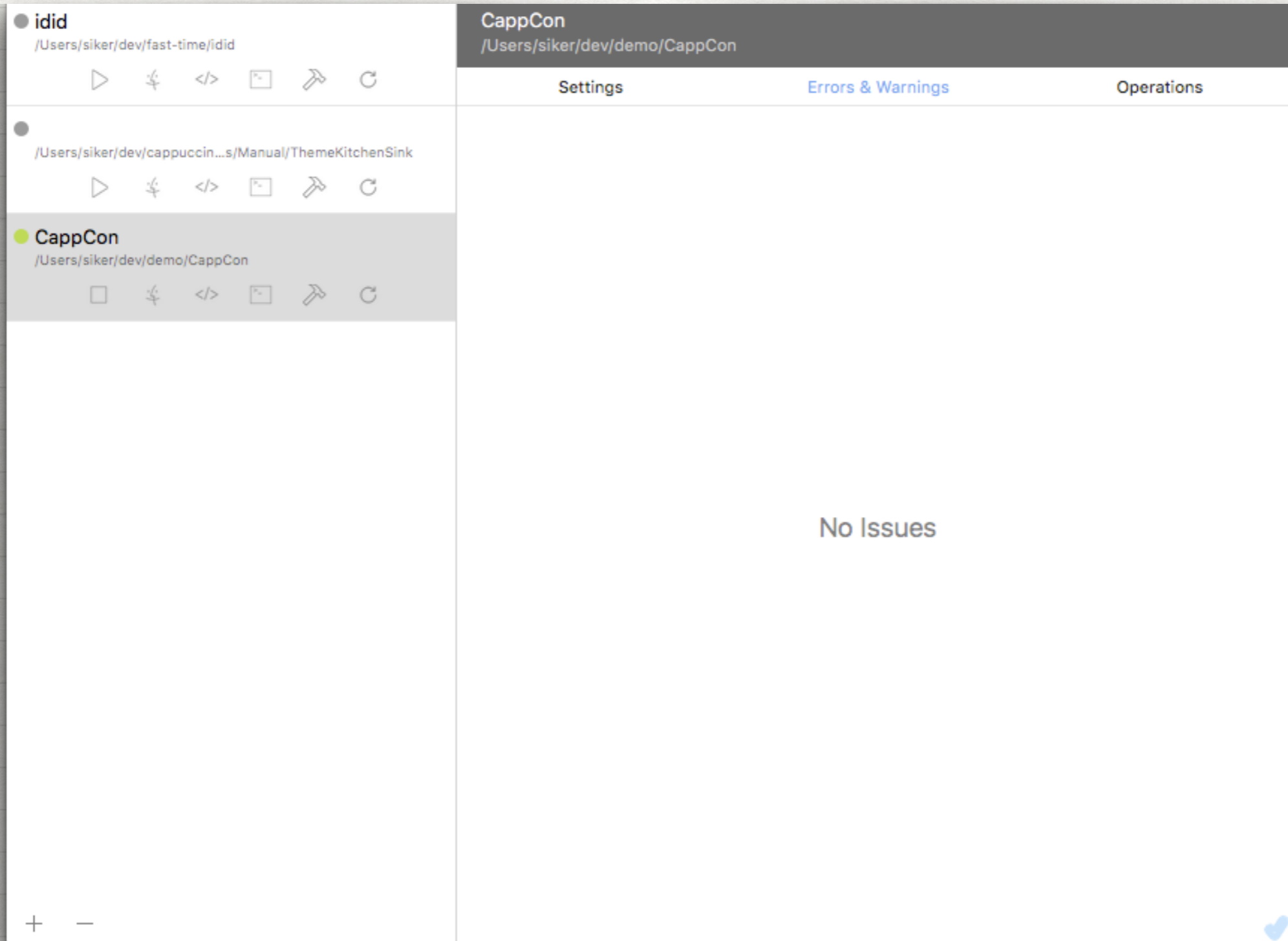
XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



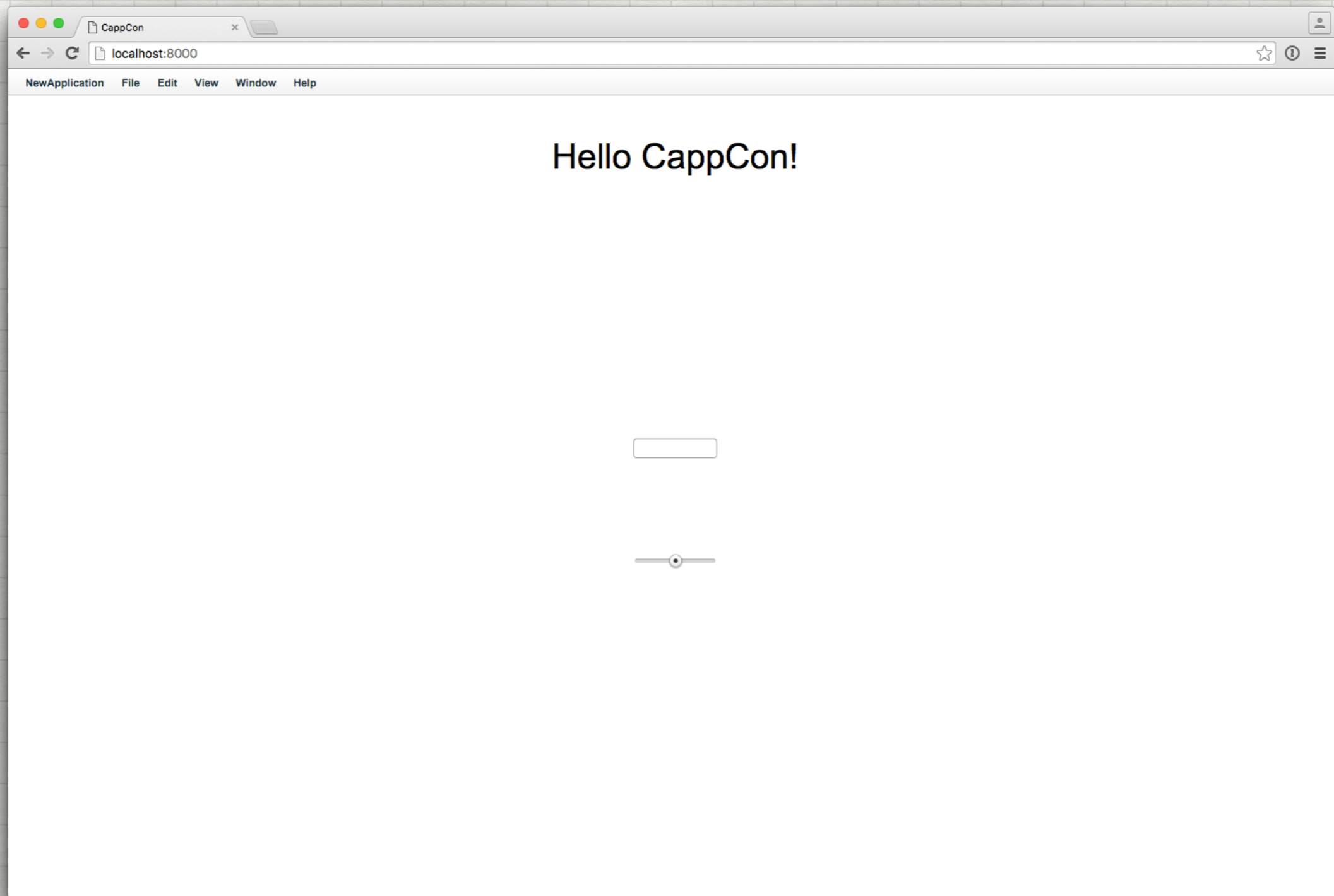
XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



XCODECAPP 4.0

FOR YOUR HUGE PROJECT. OR SMALL ONE.



RETINA DRAWING

SUPER EASY TO DEMO ON A PROJECTOR.



1 - Web Front

No description given

Network auto

Hosts auto



Net 1

No description given

Network 10.0.10.0/24

Gateway 10.0.10.1



2 - Business Logic

No description given

Network auto

Hosts auto



Net 2

No description given

Network 10.0.20.0/24

Gateway 10.0.20.1



3 - Database

No description given

Network auto

Hosts auto



Net 3

No description given

Network 10.0.30.0/24

Gateway 10.0.30.1

RETINA DRAWING

SUPER EASY TO DEMO ON A PROJECTOR.



1 - Web Front

No description given

Network auto

Hosts auto



Net 1

No description given

Network 10.0.10.0/24

Gateway 10.0.10.1



2 - Business Logic

No description given

Network auto

Hosts auto



Net 2

No description given

Network 10.0.20.0/24

Gateway 10.0.20.1



3 - Database

No description given

Network auto

Hosts auto



Net 3

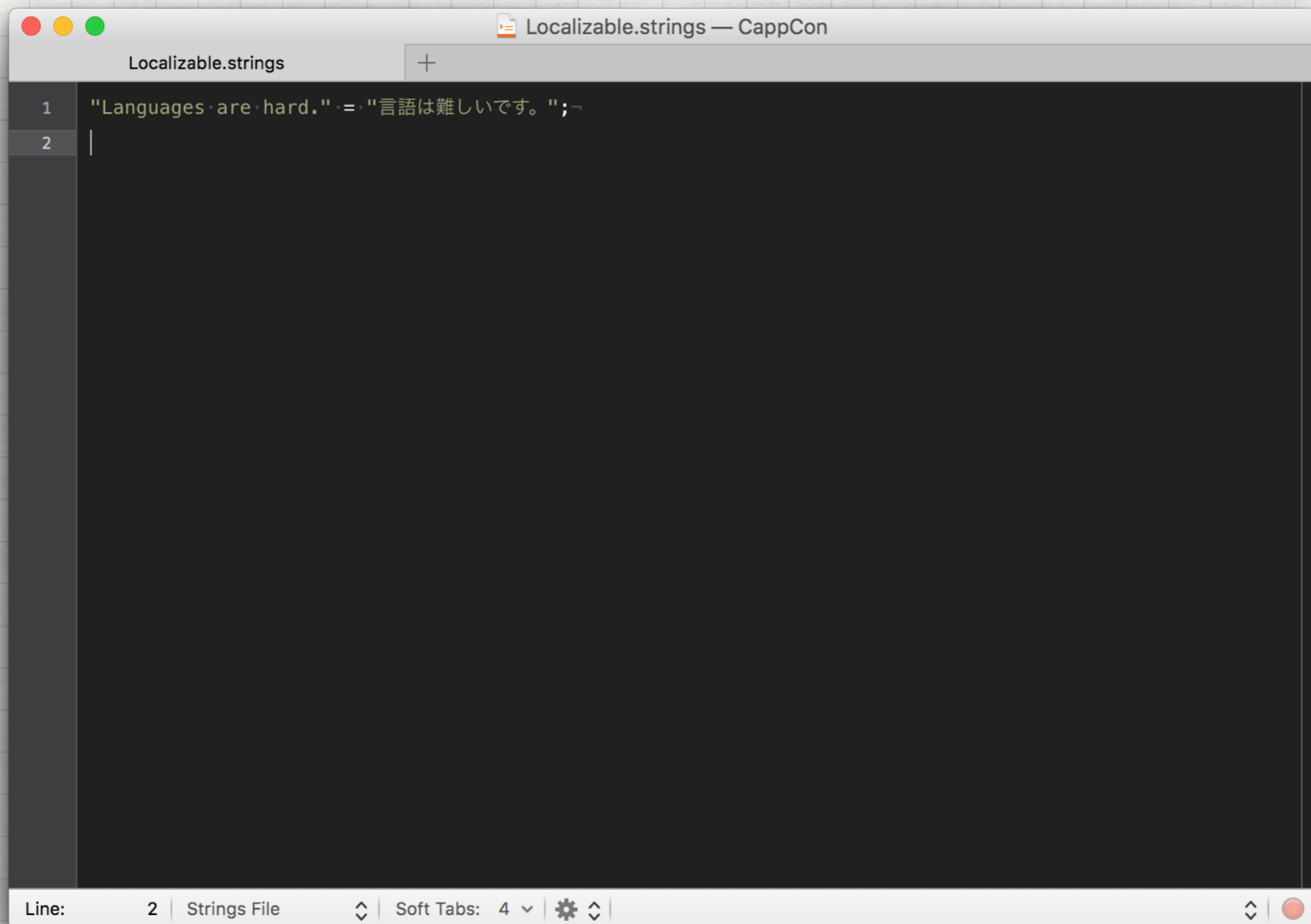
No description given

Network 10.0.30.0/24

Gateway 10.0.30.1

LOCALISATION

THE NORMAL WAY.



The image shows a code editor window titled "Localizable.strings — CappCon". The editor displays a single line of code in a localization string file:

```
1 "Languages are hard." = "言語は難しいです。";
```

The second line is empty. The status bar at the bottom indicates "Line: 2 | Strings File" and "Soft Tabs: 4".

LOCALISATION

THE NORMAL WAY.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
3 <plist version="1.0">
4 <dict>
5   <key>Main.cib.file.base.name</key>
6   <string>MainMenu.cib</string>
7   <key>CPBundleName</key>
8   <string>CappCon</string>
9   <key>CPBundleVersion</key>
10  <string>1.0</string>
11  <key>CPHumanReadableCopyright</key>
12  <string>Copyright © 2016, Your Company. All rights reserved.</string>
13  <key>CPBundleLocalizableStrings</key>
14  <array>
15    <string>Localizable.strings</string>
16  </array>
17  <key>CPBundleTypeOfLocalization</key>
18  <string>CPBundleBaseLocalizationType</string>
19  <key>CPBundleDefaultLanguage</key>
20  <string>en</string>
21 </dict>
22 </plist>
23
```

Line: 13-21 | Property List (XML) | Soft Tabs: 4 | CPBundleDefaultLanguage

LOCALISATION

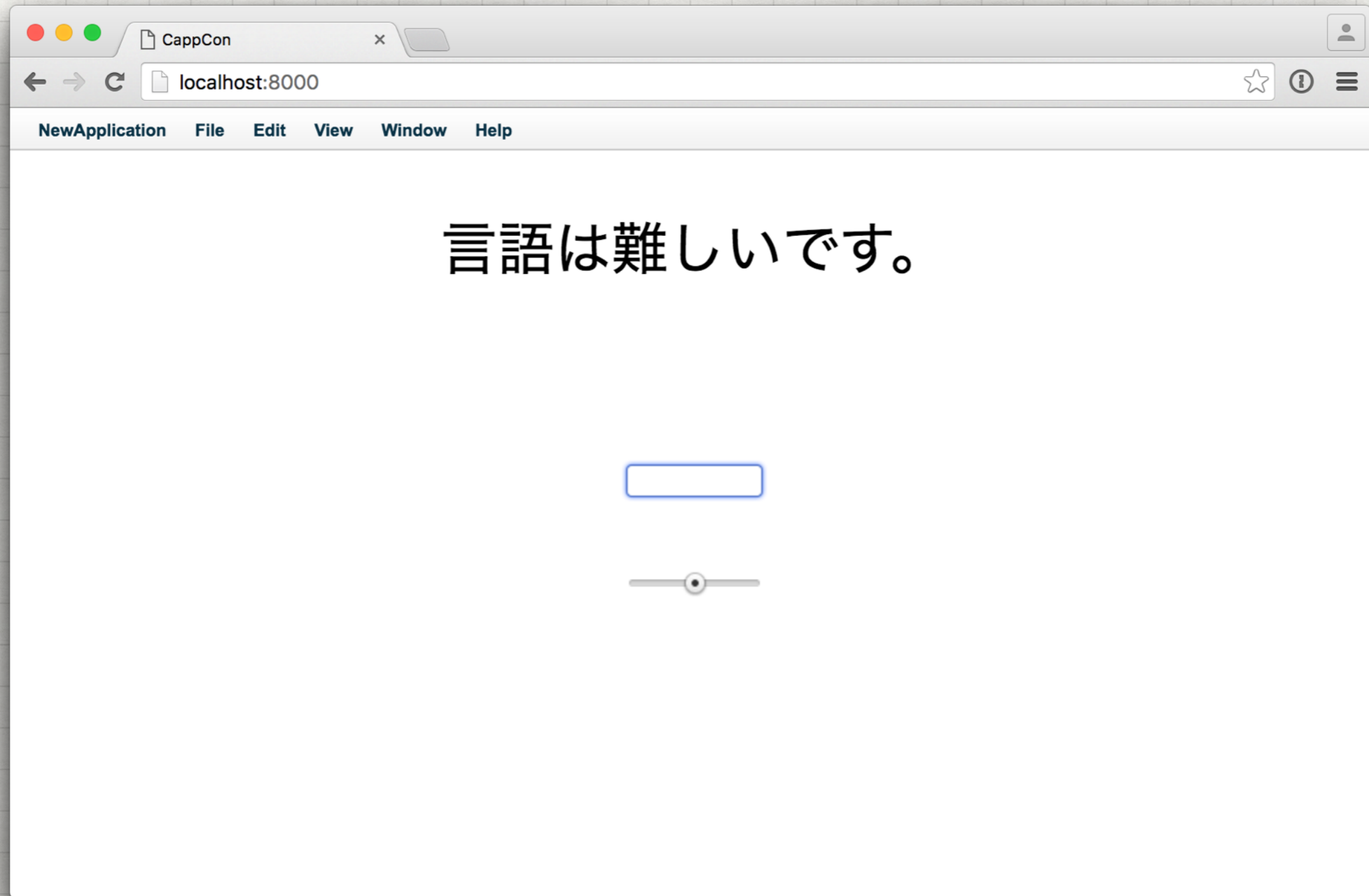
THE NORMAL WAY.

```
AppController.j — CappCon
AppController.j
8
9 @import <Foundation/Foundation.j>
10 @import <AppKit/AppKit.j>
11
12
13 @implementation AppController : CPObject
14 {
15     @outlet CPWindow theWindow;
16
17     @outlet CPTextField myTextField;
18 }
19
20 - (void)applicationDidFinishLaunching:(CPNotification)aNotification
21 {
22     // This is called when the application is done loading.
23 }
24
25 - (void)awakeFromCib
26 {
27     // This is called when the cib is done loading.
28     // You can implement this method on any object instantiated from a Cib.
29     // It's a useful hook for setting up current UI values, and other things.
30
31     // In this case, we want the window from Cib to become our full browser window
32     [theWindow setFullPlatformWindow:YES];
33
34     [myTextField setStringValue:CPLocalizedString(@"Languages are hard.", @"")];
35 }
36
37 @end
38
```

Line: 34-35 Objective-J Soft Tabs: 4 awakeFromCib

LOCALISATION

THE NORMAL WAY.



TRACKING AREAS

A POWERFUL AND FAST WAY TO TRACK THE MOUSE.

```
AppController.j +
22  ...// This is called when the application is done loading.
23  }
24  -
25  - (void)awakeFromCib
26  {
27  ...// This is called when the cib is done loading.
28  ...// You can implement this method on any object instantiated from a Cib.
29  ...// It's a useful hook for setting up current UI values, and other things.
30  -
31  ...// In this case, we want the window from Cib to become our full browser window
32  ... [theWindow setFullPlatformWindow:YES];
33  -
34  ... [[myTextField superview] addTrackingArea:[CPTackingArea alloc] initWithRect:CGRectMakeZero()
    . options:CPTackingActiveInKeyWindow | CPTackingMouseEnteredAndExited owner:self userInfo:nil]];
35  }
36  -
37  - (void)updateTrackingAreas
38  {
39  ... [[myTextField superview] removeAllTrackingAreas];
40  -
41  ... [[myTextField superview] addTrackingArea:[CPTackingArea alloc] initWithRect:CGRectMake(0, 0, 50, 50)
    . options:CPTackingActiveAlways | CPTackingMouseEnteredAndExited owner:self userInfo:nil]];
42  }
43  -
44  - (void)mouseEntered:(CPEvent)anEvent
45  {
46  ... [myTextField setBackgroundColor:[CPColor redColor]];
47  }
48  -
49  @end
50
```

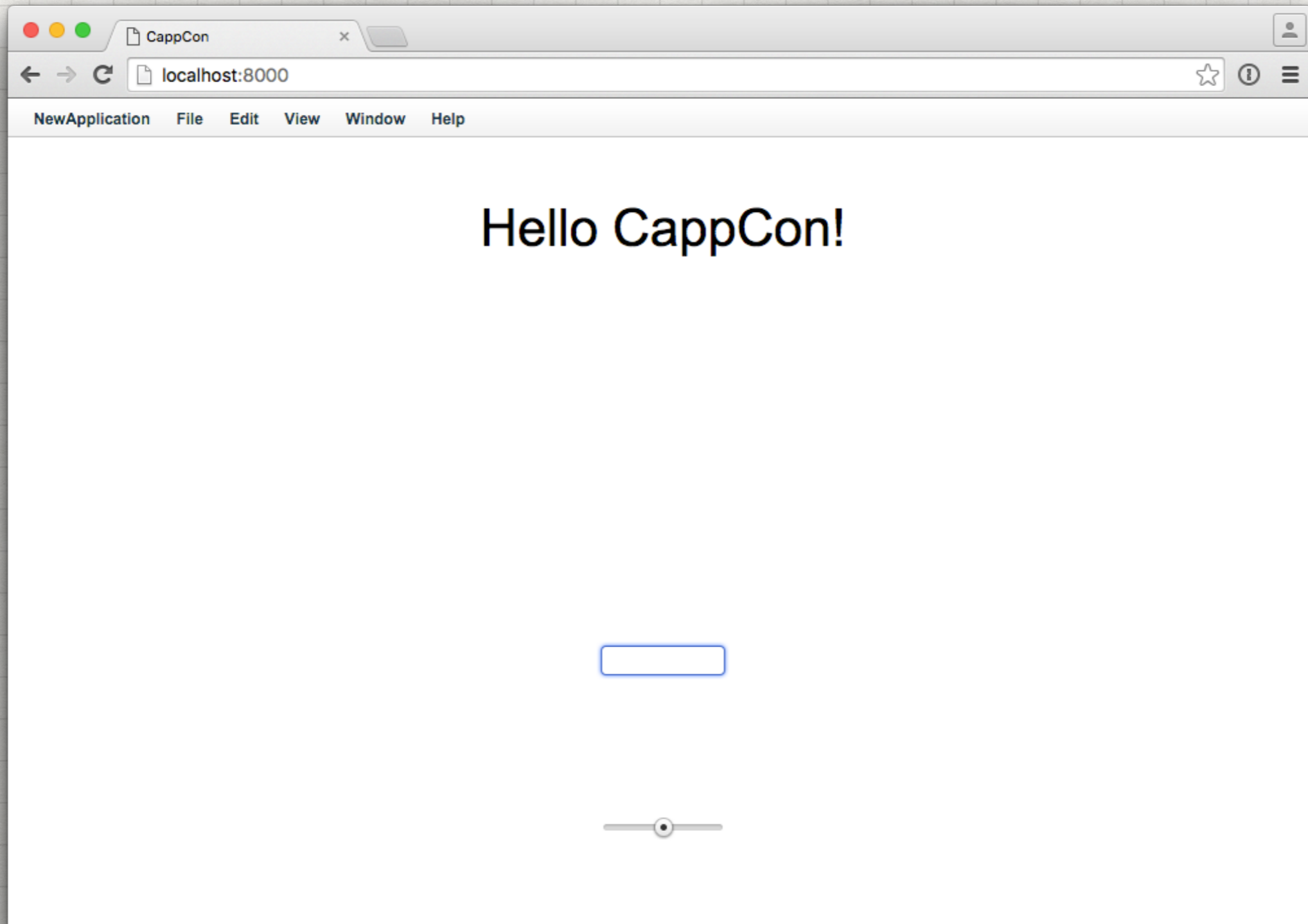
TRACKING AREAS

A POWERFUL AND FAST WAY TO TRACK THE MOUSE.

```
AppController.j +
22  ...// This is called when the application is done loading.
23  }
24  -
25  - (void)awakeFromCib
26  {
27  ...// This is called when the cib is done loading.
28  ...// You can implement this method on any object instantiated from a Cib.
29  ...// It's a useful hook for setting up current UI values, and other things.
30  -
31  ...// In this case, we want the window from Cib to become our full browser window
32  ... [theWindow setFullPlatformWindow:YES];
33  -
34  ... [[myTextField superview] addTrackingArea:[CPTrackingArea alloc] initWithRect:CGRectMakeZero()
    options:CPTrackingActiveInKeyWindow | CPTTrackingMouseEnteredAndExited owner:self userInfo:nil];
35  }
36  -
37  - (void)updateTrackingAreas
38  {
39  ... [[myTextField superview] removeAllTrackingAreas];
40  -
41  ... [[myTextField superview] addTrackingArea:[CPTrackingArea alloc] initWithRect:CGRectMake(0, 0, 50, 50)
    options:CPTrackingActiveAlways | CPTTrackingMouseEnteredAndExited owner:self userInfo:nil];
42  }
43  -
44  - (void)mouseEntered:(CPEvent)anEvent
45  {
46  ... [myTextField setBackgroundColor:[CPCColor redColor]];
47  }
48  -
49  @end
50
```

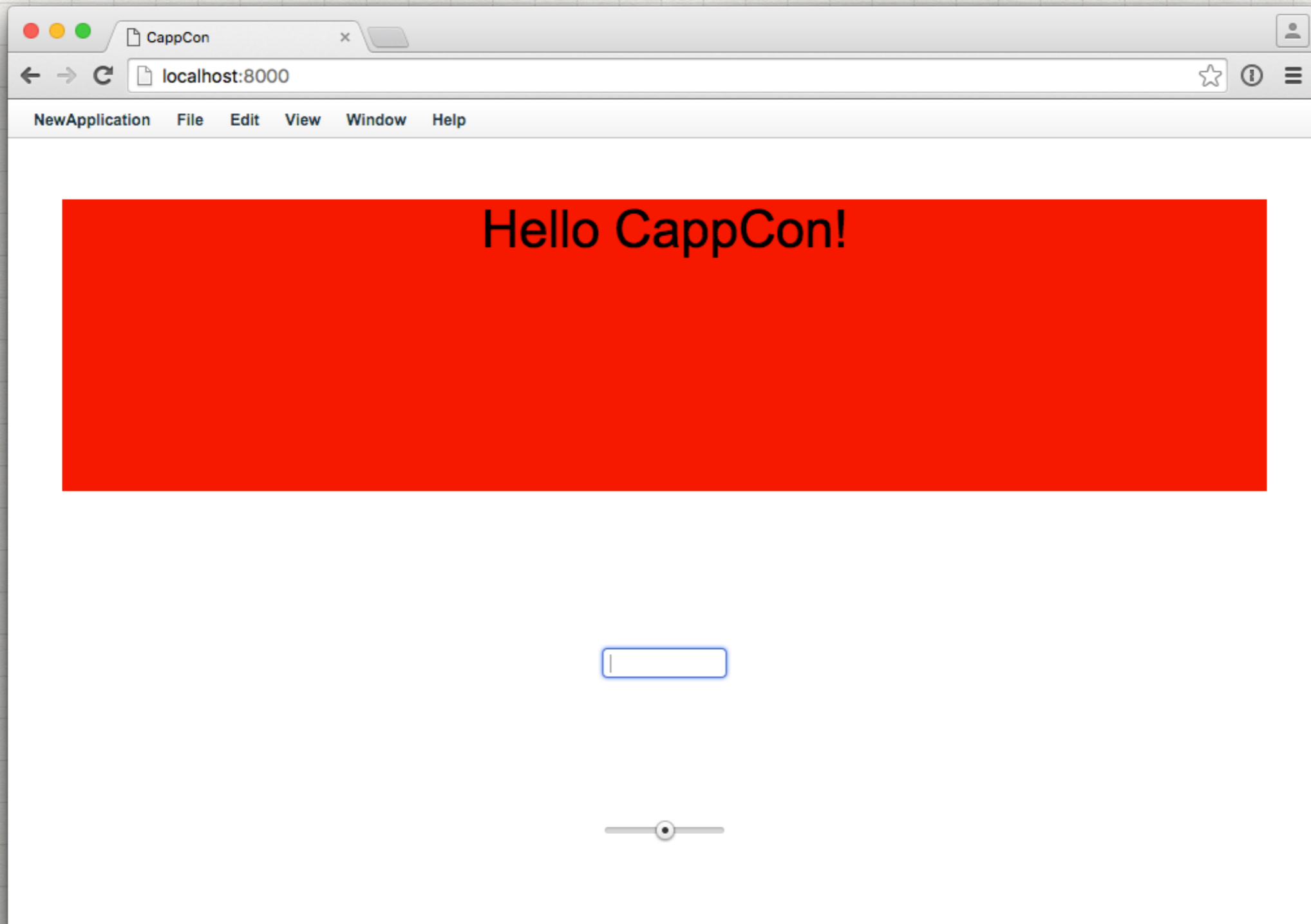
TRACKING AREAS

A POWERFUL AND FAST WAY TO TRACK THE MOUSE.



TRACKING AREAS

A POWERFUL AND FAST WAY TO TRACK THE MOUSE.



**AVAILABLE
TODAY.**