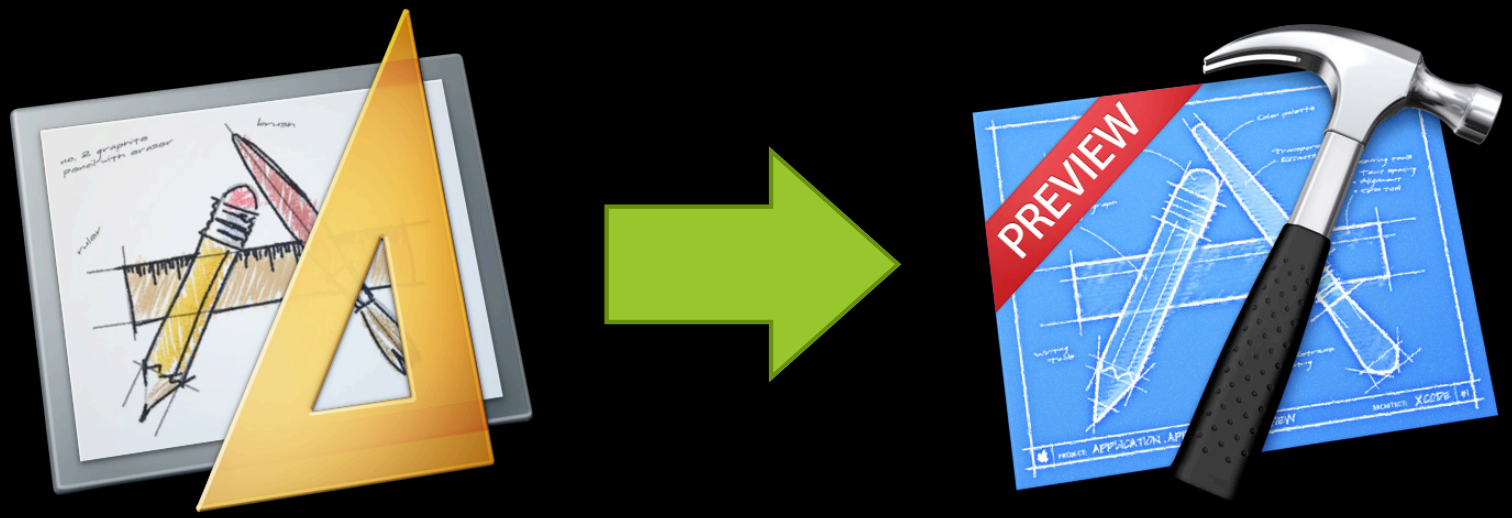
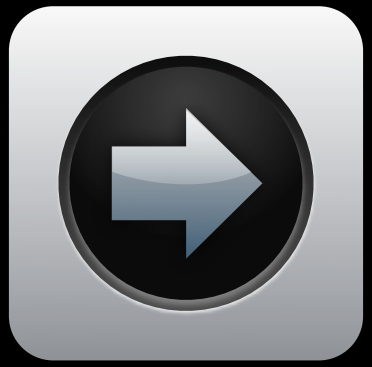
Using Interface Builder in Xcode 4

Kevin Cathey
Interface Builder Engineer

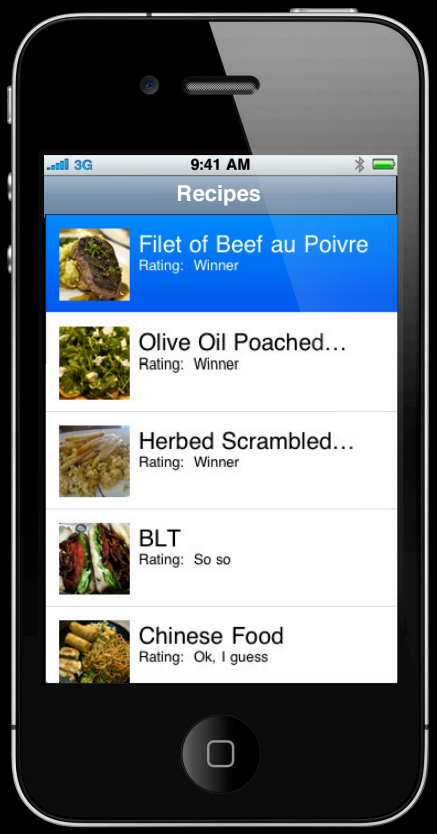

PREVIEW

Today's Roadmap

Tour de Interface Builder



Making Connections


3G
9:41 AM
Recipes
Filet of Beef au Poivre
Rating: Winner
Olive Oil Poached…
Rating: Winner
Herbed Scrambled…
Rating: Winner
BLT
Rating: So so
Chinese Food
Rating: Ok, I guess

Today's Roadmap

Tour de Interface Builder

Making Connections

Demo

Tour de Interface Builder

Tour de Interface Builder

Demo recap

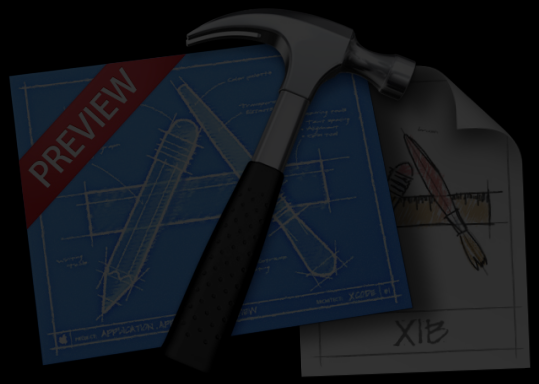
- Structure: The Dock, outline view, and jump bar
- Design Canvas: arranging objects in a scrollable canvas
- Inspectors: modify attributes of objects, help with QuickHelp
- Libraries: Objects and Media

Today's Roadmap

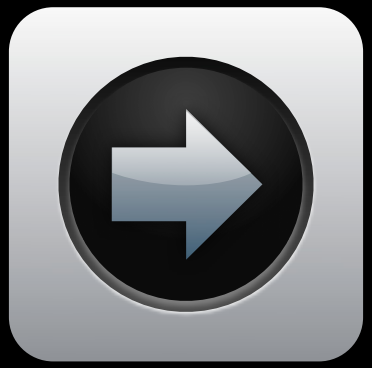
Tour de Interface Builder

Making Connections

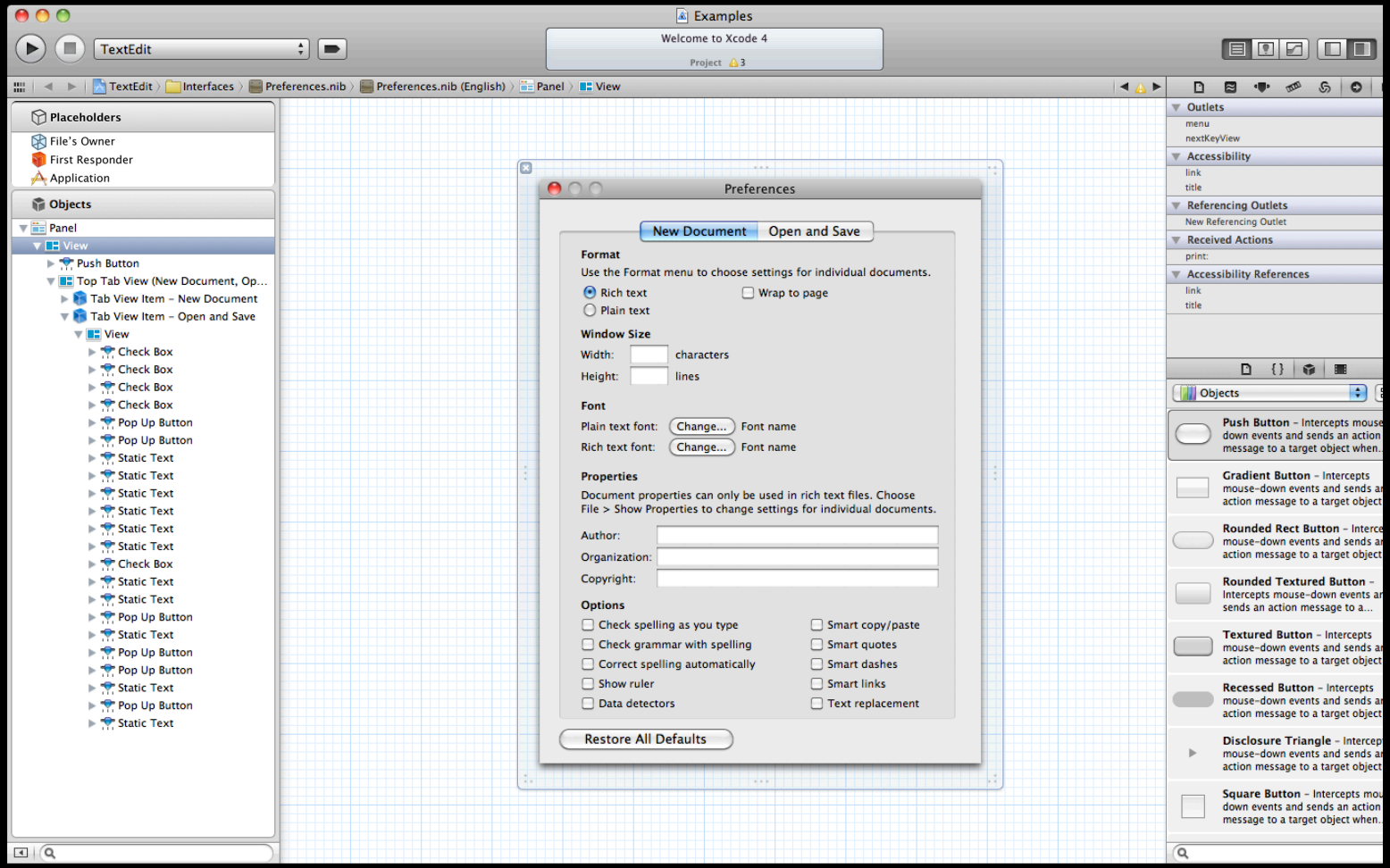
Today's Roadmap



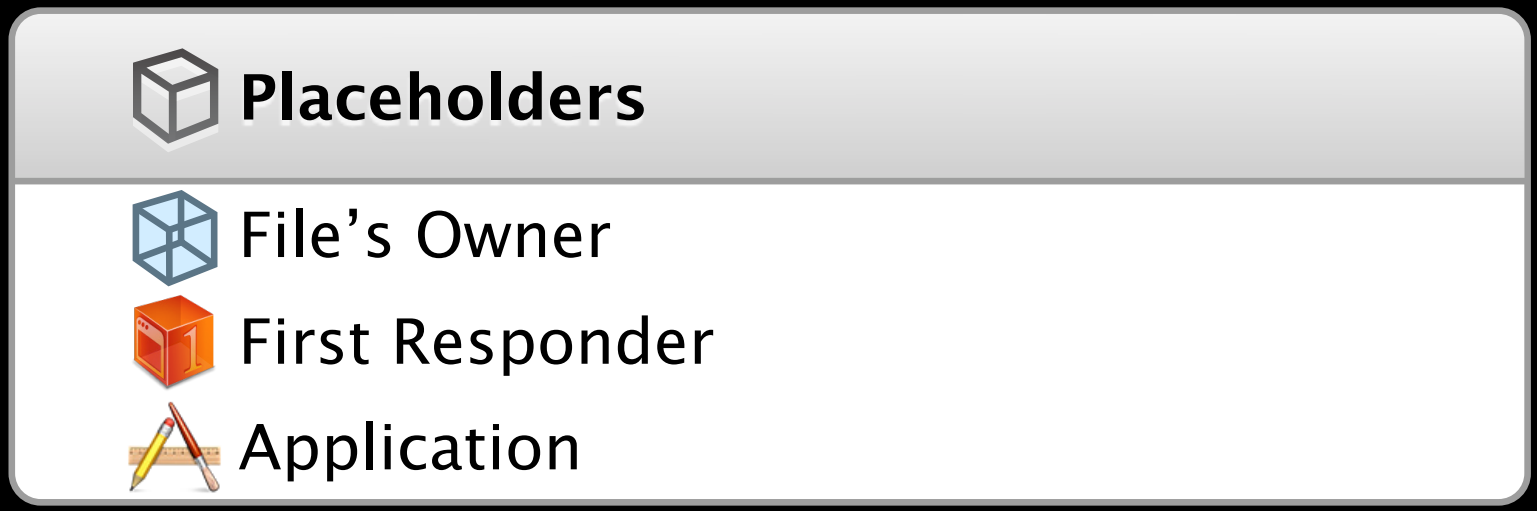
Tour de Interface Builder



Making Connections

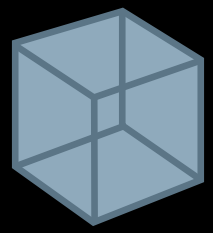

Examples
TextEdit
Welcome to Xcode 4
Project
TextEdit
Interfaces
Preferences.nib
Preferences.nib (English)
Panel
View
Placeholders
File's Owner
First Responder
Application
Objects
Panel
View
Push Button
Top Tab View (New Document, Op...
Tab View Item – New Document
Tab View Item – Open and Save
View
Check Box
Check Box
Check Box
Check Box
Pop Up Button
Pop Up Button
Static Text
Static Text
Static Text
Static Text
Static Text
Static Text
Check Box
Static Text
Static Text
Pop Up Button
Static Text
Pop Up Button
Pop Up Button
Static Text
Pop Up Button
Static Text
Preferences
New Document
Open and Save
Format
Use the Format menu to choose settings for individual documents.
Rich text
Plain text
Wrap to page
Window Size
Width:
characters
Height:
lines
Font
Plain text font:
Change...
Font name
Rich text font:
Change...
Font name
Properties
Document properties can only be used in rich text files. Choose File > Show Properties to change settings for individual documents.
Author:
Organization:
Copyright:
Options
Check spelling as you type
Check grammar with spelling
Correct spelling automatically
Show ruler
Data detectors
Smart copy/paste
Smart quotes
Smart dashes
Smart links
Text replacement
Restore All Defaults
Outlets
menu
nextKeyView
Accessibility
link
title
Referencing Outlets
New Referencing Outlet
Received Actions
print:
Accessibility References
link
title
Objects
Push Button – Intercepts mouse down events and sends an action message to a target object when...
Gradient Button – Intercepts mouse-down events and sends a action message to a target object
Rounded Rect Button – Interce mouse-down events and sends a action message to a target object
Rounded Textured Button – Intercepts mouse-down events a sends an action message to a...
Textured Button – Intercepts mouse-down events and sends a action message to a target object
Recessed Button – Intercepts mouse-down events and sends a action message to a target object
Disclosure Triangle – Intercep mouse-down events and sends a action message to a target object
Square Button – Intercepts mou down events and sends an action message to a target object when...

Placeholder Objects



File's Owner

Every NIB has an owner



- External to the contents of your NIB
- Typically a custom controller class
- Loads the NIB with:
  - **MAC OS X:** NSNib
  - **iOS:** UINib
  - **Both:** NSBundle
- The conduit from the NIB to the rest of the application

File's Owner: Example

Before loading MainWindow.xib

+[UIApplication sharedApplication]

File's Owner: Example

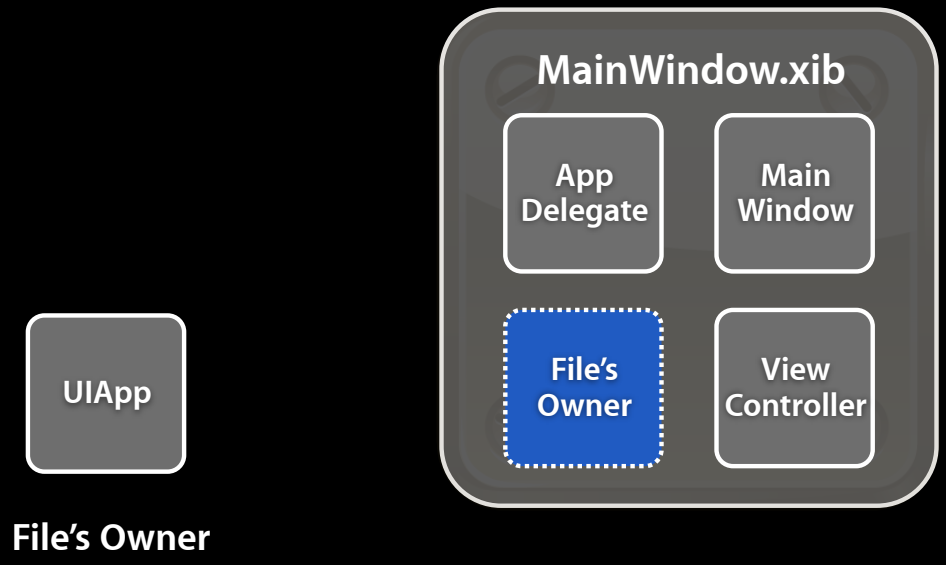
Loading MainWindow.xib

UIApp

```
[NSBundle loadNibNamed:@"MainWindow" owner:[UIApplication sharedApplication]]
```

File's Owner: Example

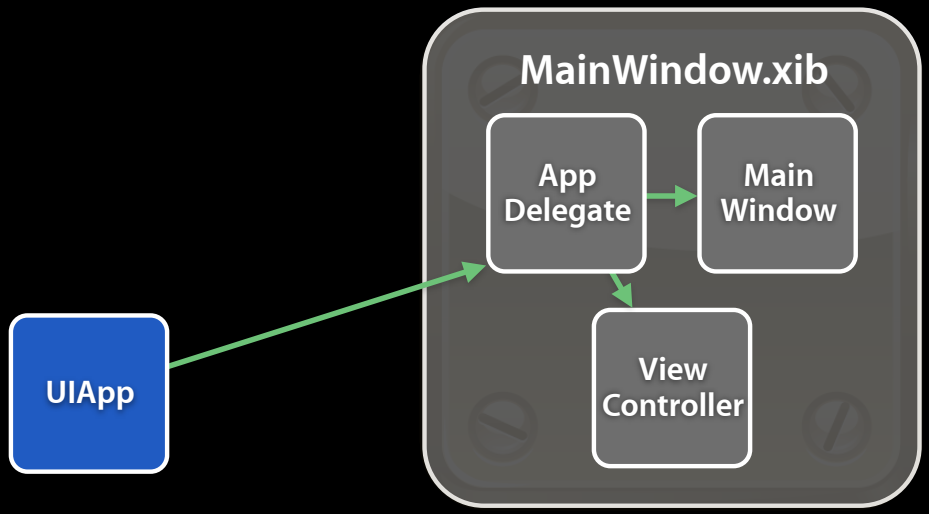
Loading MainWindow.xib




```
[NSBundle loadNibNamed:@"MainWindow" owner:[UIApplication sharedApplication]]
```

File's Owner: Example

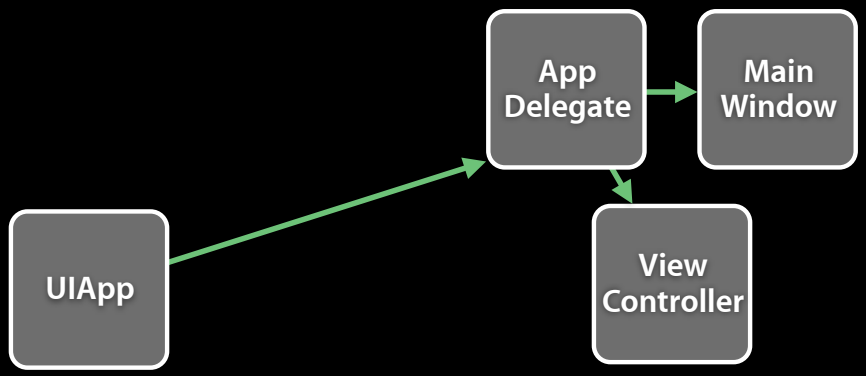
Loading MainWindow.xib




```
[NSBundle loadNibNamed:@"MainWindow" owner:[UIApplication sharedApplication]]
```

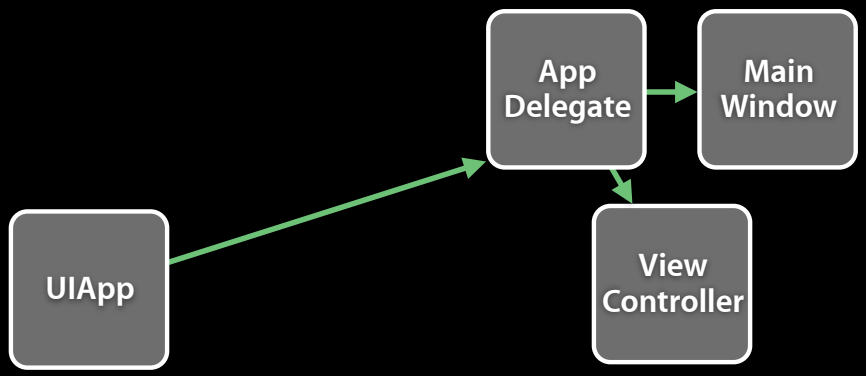
File's Owner: Example

Loaded MainWindow.xib



File's Owner: Example

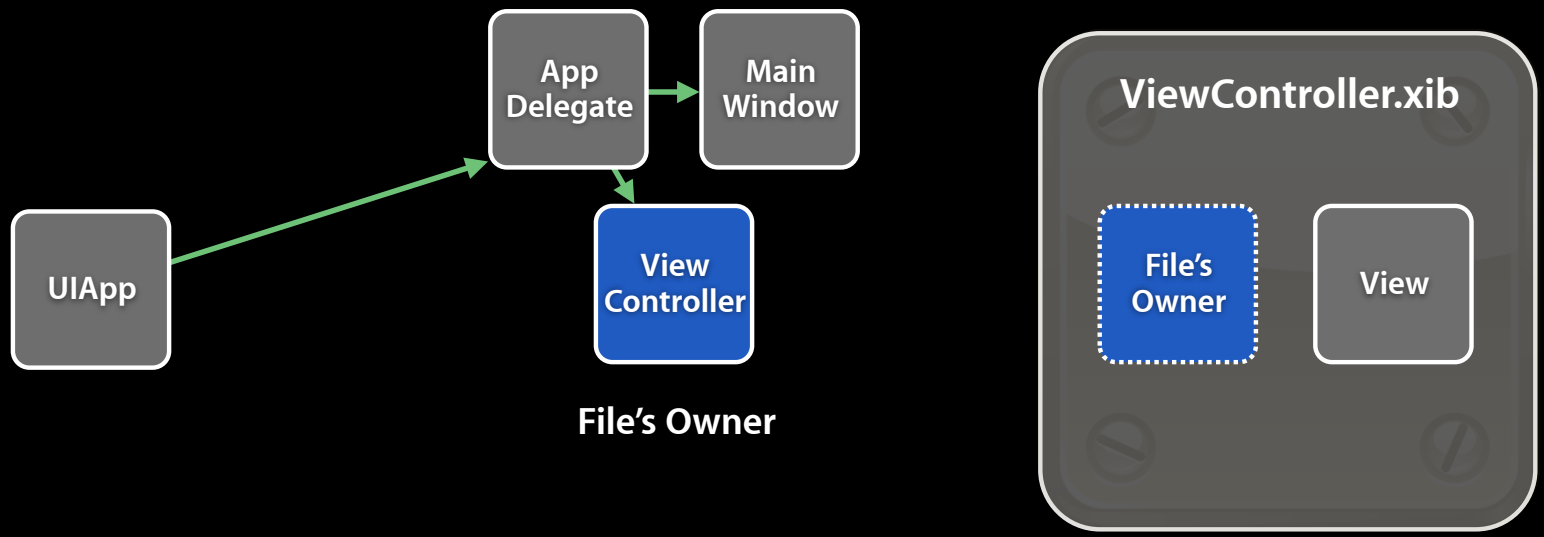
Loading ViewController.xib



```
[NSBundle loadNibNamed:@"ViewController" owner:viewController]
```

File's Owner: Example

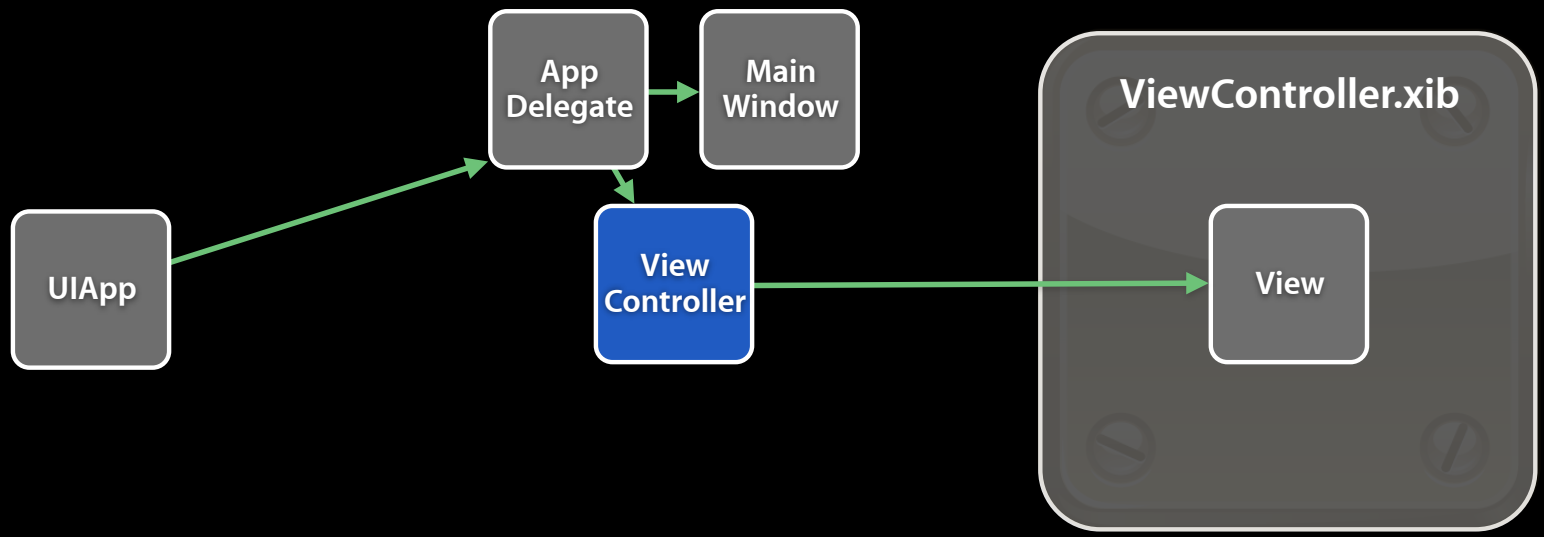
Loading ViewController.xib




```
[NSBundle loadNibNamed:@"ViewController" owner:viewController]
```

File's Owner: Example

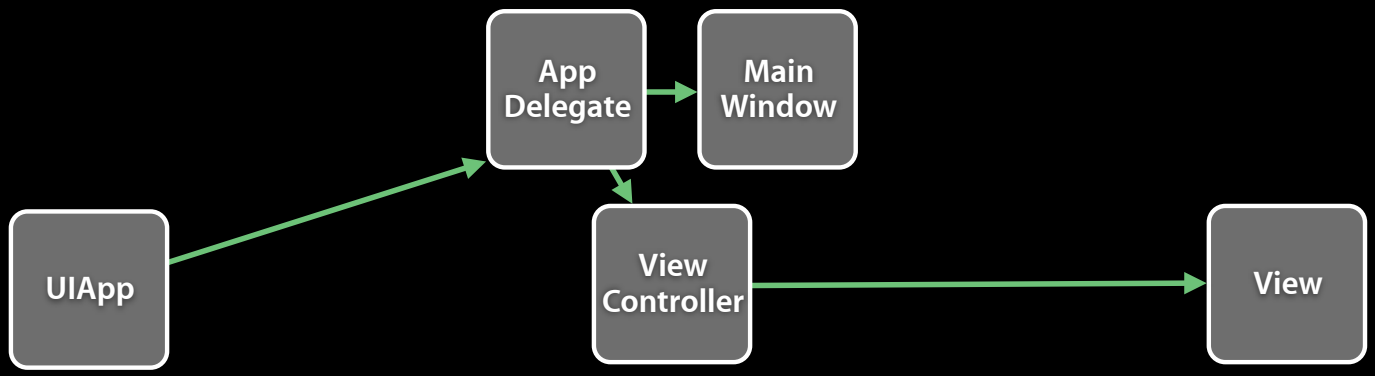
Loading ViewController.xib




```
[NSBundle loadNibNamed:@"ViewController" owner:viewController]
```

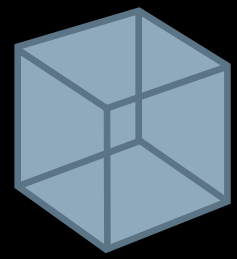
File's Owner: Example

Loaded ViewController.xib



File's Owner

Summary



- Conceptual owner of the NIB
- The conduit from the NIB to the rest of the application

Demo

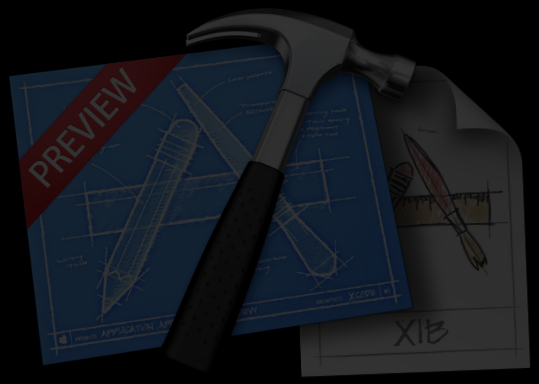
Making Connections

Making Connections in Interface Builder

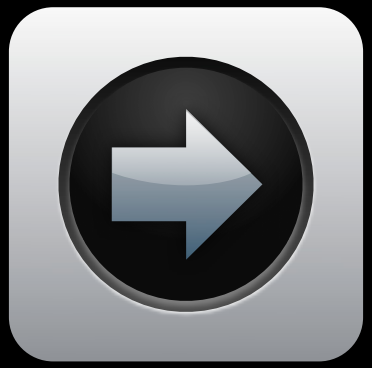
Demo recap

- Xcode Assistant content: Top-level objects, custom classes, classes with connections
- Make connections to bridge two objects or between objects and your source code
- How to connect: Drag to source code

Today's Roadmap



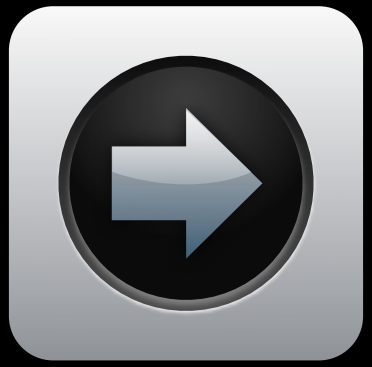
Tour de Interface Builder



Making Connections

Today's Roadmap

Tour de Interface Builder



Making Connections

More Information

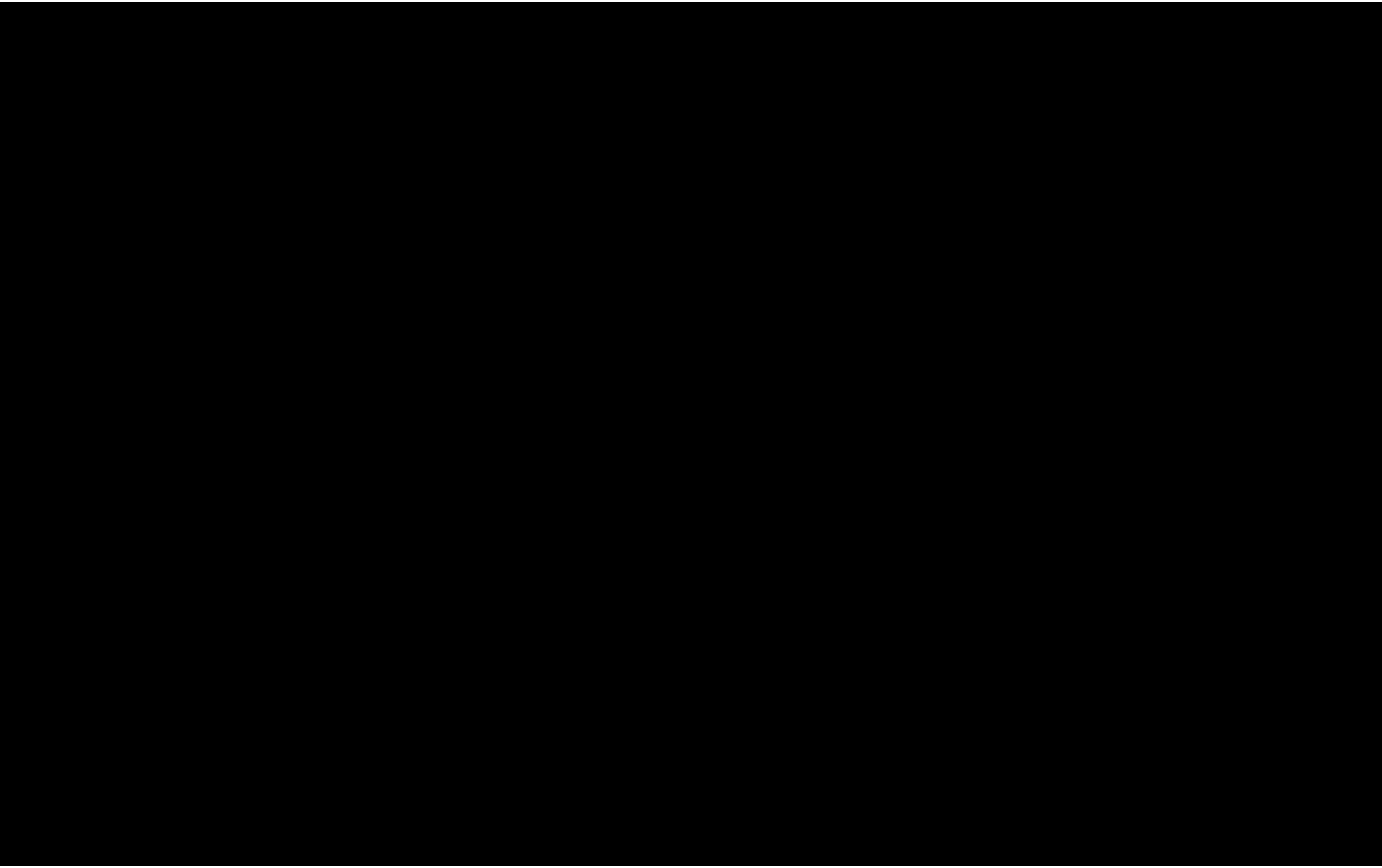
Michael Jurewitz
Developer Tools Evangelist
jurewitz@apple.com

Apple Developer Forums
http://devforums.apple.com

Related Sessions

Designing Apps with Interface Builder	Mission Wednesday 2:00PM

Labs

Xcode 4 Lab	Developer Tools Lab B Friday 9:00AM

WWDC10