

Choose a template for your new project:

iOS

- Application
- Framework & Library
- Other

Mac OS X

- Application
- Framework & Library
- Application Plug-in
- System Plug-in
- Other

Document-Based Application

Master-Detail Application

OpenGL Game

Page-Based Application

Single View Application

Tabbed Application

Utility Application

Empty Application

Document-Based Application

This template provides a starting point for a document-based application. It provides an interface to store documents locally or in iCloud.

Cancel Previous Next

Figure 8.1
Choose iOS application templates in Xcode.

Choose a template for your new project:

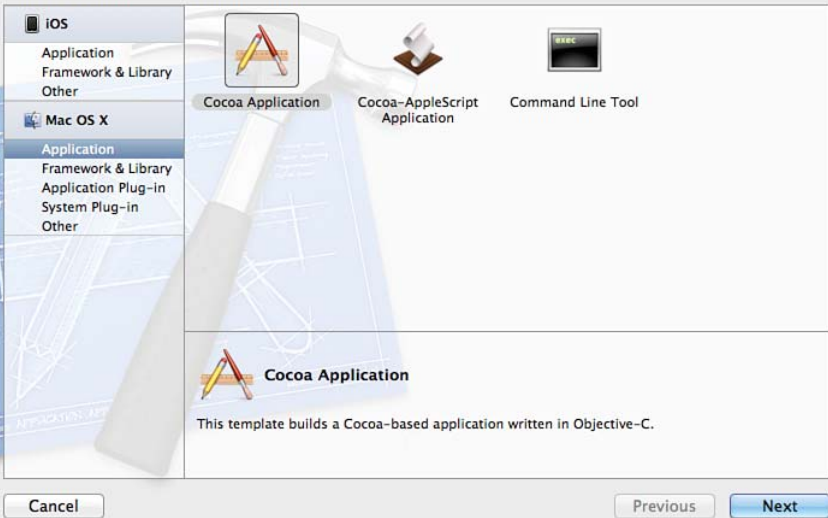


Figure 8.2

Choose Mac OS application templates in Xcode..

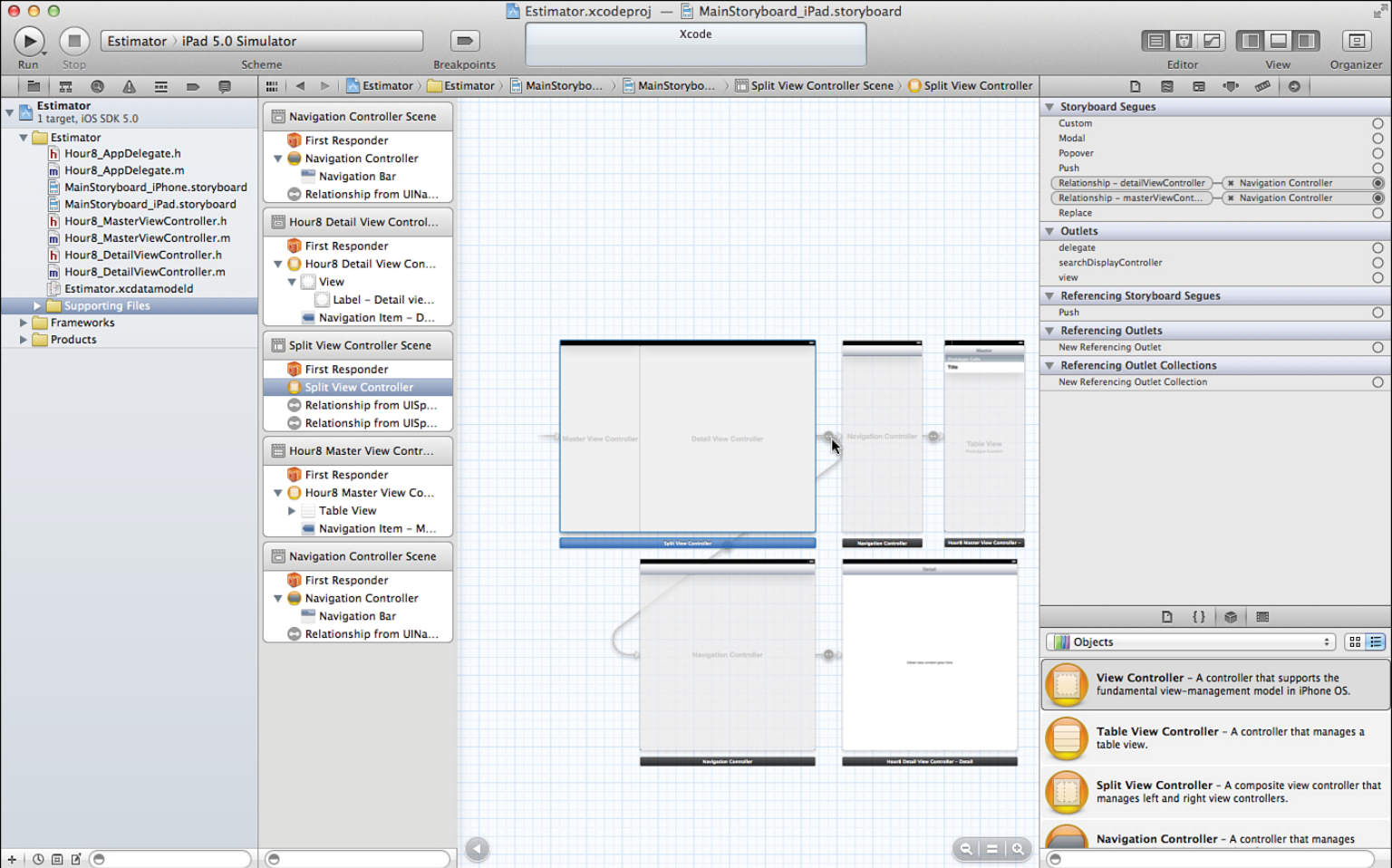


Figure 8.3
Look at connections for an iOS app.

The screenshot shows the Xcode IDE with a project named "DepartmentAndEmployees Sp...". The interface is divided into several panels:

- Project Navigator (Left):** Shows the project structure, including "DepartmentAndEmployees" with targets for Mac OS (10.7). It lists "Model Classes" (Employee.h, Employee.m), "Classes" (MyDocument.h, MyDocument.m, NewObjectSheetController.h, NewObjectSheetController.m, MyApplication.h, MyApplication.m), "Models", "Importer", "Other Sources", and "Resources" (MyDocument.nib, NewEmployeeSheet.nib, MainMenu.nib, MyDocumentModel.strings, InfoPlist.strings, Info.plist, Frameworks, Products).
- Placeholders (Top Left):** Lists "File's Owner", "First Responder", and "Application".
- Objects (Middle Left):** Shows a hierarchy starting with "Window", then "View", "Box - Employees", "Text Field", "Static Text - Dep...", "Static Text - Budget:", and another "Text Field". Below this are "Employee Set", "Manager Set", and "NewObjectSheetController".
- Canvas (Center):** Displays a "Window" object, which is a modal dialog box. It contains:
 - Text fields for "Department:" and "Budget:".
 - A section titled "Employees" with a search bar "Q All".
 - A table with the following data:

First Name	Last Name	Salary
Text Cell	Text Cell	\$ 123.46
 - Buttons for "# out of #", "Fetch", "Remove", and "Add".
 - Form fields for "First Name:", "Last Name:", "Salary:", "Manager:" (with a dropdown arrow), and "Employee ID:".
- Right Sidebar:**
 - Outlets:** Lists "documentWindow" (Window), "newObjectController", "newObjectSheet", "sourceArrayController" (Employee Set).
 - Referencing Outlets:** Lists "newSheetController" (File's Owner), "New Referencing Outlet".
 - Received Actions:** Lists "add:" (Push Button), "addNewObjectFromSheet:", "cancelNewObjectFromSheet:", "redo:", "undo:".

Figure 8.4
Look at connections for a Mac OS app.

The screenshot shows the Xcode IDE with a project named "DepartmentAndEmployees". The interface includes a left sidebar with a project navigator, a middle area with a "Window" dialog box, and a right sidebar with a "Bindings" panel. The "Window" dialog is a modal window with a title bar and standard macOS window controls. It contains a form with the following elements:

- Department:** A text input field.
- Budget:** A text input field.
- Employees:** A section containing a search bar with the placeholder "Q All".
- Table:** A table with three columns: "First Name", "Last Name", and "Salary". The first row contains "Text Cell", "Text Cell", and "\$ 123.46".
- Buttons:** Three buttons labeled "Fetch", "Remove", and "Add" are positioned below the table.
- Input Fields:** Below the buttons are five input fields: "First Name:", "Last Name:", "Salary:", "Manager:" (with a dropdown arrow), and "Employee ID:".

The right sidebar shows the "Bindings" panel with various sections like "Outlets", "Bindings", "Referencing Outlets", "Received Actions", and "Referencing Bindings". The "Referencing Bindings" section shows a list of bindings, including "selection.budget" and "selection.employees".

Figure 8.5
Trace connections and bindings.

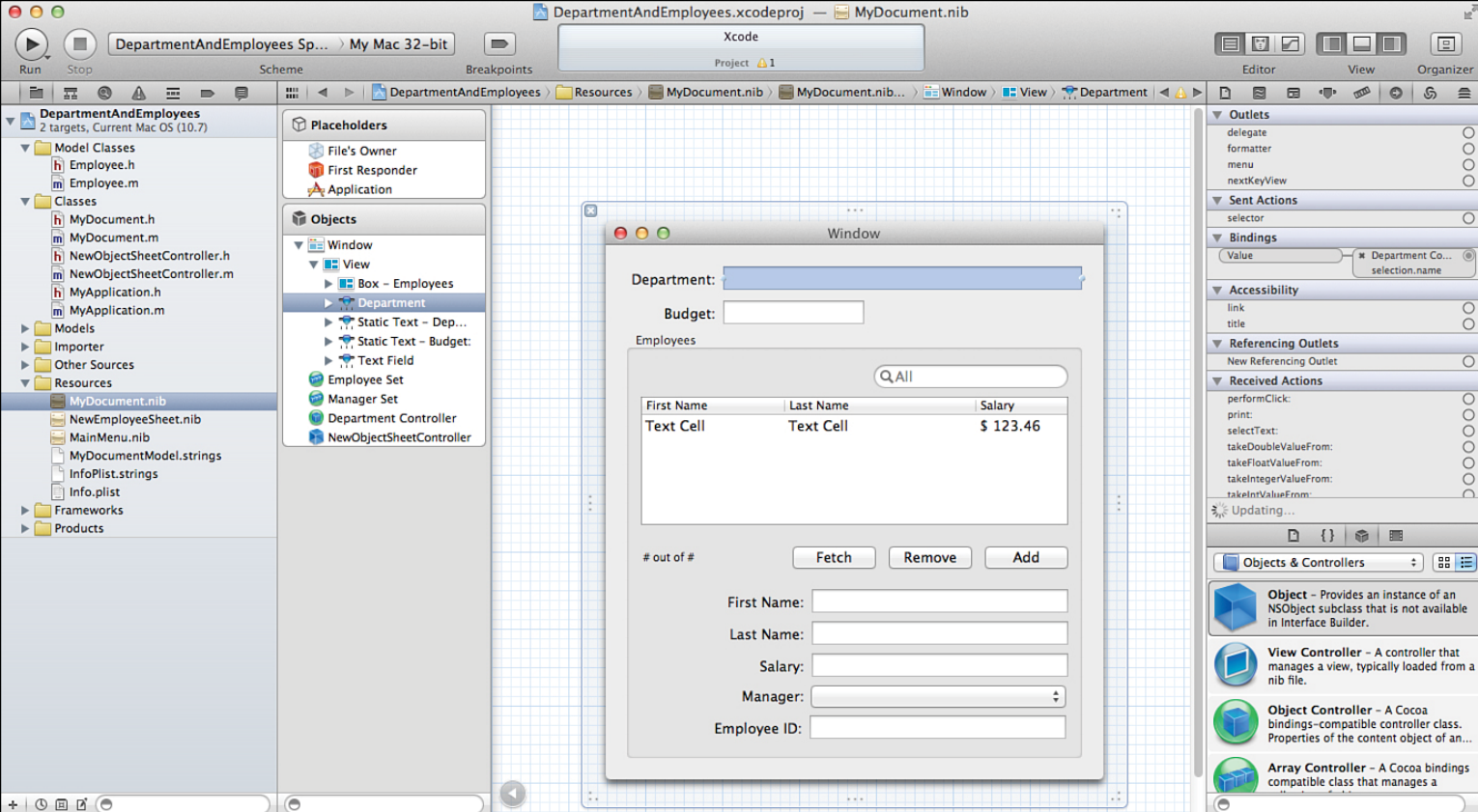


Figure 8.6
Trace the opposite direction of the connection.

The screenshot shows the Xcode IDE with a project named "DepartmentAndEmployees". The interface includes a left sidebar with a project navigator, a central workspace with a grid background, and a right sidebar with an "Objects" panel and an "Inspector" panel. A "Window" dialog box is open in the center, displaying a form for managing employees. The form includes fields for "Department", "Budget", and "Employees". The "Employees" section features a search bar with "Q All" and a table with columns for "First Name", "Last Name", and "Salary". Below the table are "Fetch", "Remove", and "Add" buttons. At the bottom of the dialog, there are input fields for "First Name", "Last Name", "Salary", "Manager" (a dropdown menu), and "Employee ID".

DepartmentAndEmployees
2 targets, Current Mac OS (10.7)

Model Classes
Employee.h
Employee.m

Classes
MyDocument.h
MyDocument.m
NewObjectSheetController.h
NewObjectSheetController.m
MyApplication.h
MyApplication.m

Models
Importer
Other Sources
Resources
MyDocument.nib
NewEmployeeSheet.nib
MainMenu.nib
MyDocumentModel.strings
InfoPlist.strings
Info.plist
Frameworks
Products

Placeholders
File's Owner
First Responder
Application

Objects
Window
View
Box - Employees
Department
Static Text - Dep...
Static Text - Budget:
Text Field
Employee Set
Manager Set
Department Controller
NewObjectSheetController

Inspector
Availability
Editable
Controller Content
Content Array
Content Array For Multiple Selection
Content Object
Content Set (Department Controller.sel...
Bind to: Department Controller
Controller Key
selection
Model Key Path
employees
Value Transformer
Always Presents Application Modal Alerts
Conditionally Sets Editable
Deletes Objects On Remove
Handles Content As Compound Value
Raises For Not Applicable Keys
Selects All When Setting Content
Validates Immediately

Objects & Controllers
in Interface Builder.
View Controller - A controller that manages a view, typically loaded from a nib file.
Object Controller - A Cocoa bindings-compatible controller class. Properties of the content object of an...
Array Controller - A Cocoa bindings compatible class that manages a

Window
Department:
Budget:
Employees
Q All
First Name | Last Name | Salary
Text Cell | Text Cell | \$ 123.46
out of # Fetch Remove Add
First Name:
Last Name:
Salary:
Manager:
Employee ID:

Figure 8.7
Examine the binding.