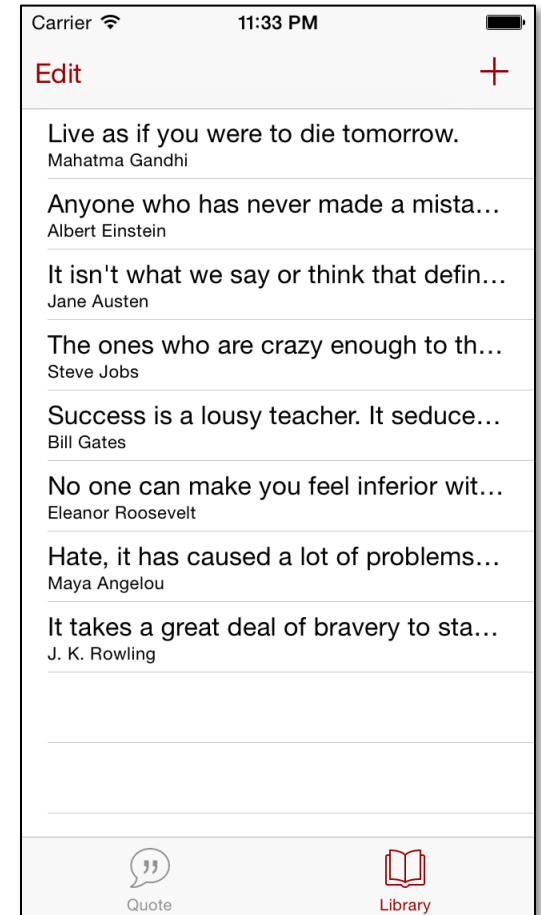


# ITP 342

## Mobile App Development

### Tab Bar



# Combined Features

- We've made two separate apps
  - Quotes
    - Displays a random fortune (single tap)
  - Table View
    - Displays a table of quotes
    - Allows user to add & delete quotes
- Both have a model in them
- Want to make them into one app!

# Quotes

- Go to the folder with your projects
- Make a copy of your Qutes project
  - Call it something like "Quotes Lab5"
- Open **Quotes** project
- Open **Table View** project

# Table View Controller

- In Table View project
  - Select the **QuotesTableViewController** (.h & .m) files
- In Quotes project
  - Drag them into Quotes project
  - Make sure to check **Add to targets**

# Storyboard

- In the Table View project
  - Click on the Main.storyboard
  - Select everything
  - Copy (command-C)
- In the Quotes project
  - Click on the Main.storyboard
  - Past (command-V)
- Close Table View project

# Tab Bar Controller

- In the Quotes project, click on the **Main.storyboard**
- Select the Quotes View Controller
  - Should see the blue line
- Embed it in a Tab Bar Controller
  - **Editor → Embed In → Tab Bar Controller**

# First Tab – Quote

- Confirm that Tab Bar Controller is the initial view controller
- Confirm that Quotes View Controller is the child of the Tab Bar

# Images for Tab Bar

- Need images for our tab bar
- Add files to project in Images.xcassets
  - Quote – quote.png & quote@2x.png
  - Library – library.png & library@2x.png



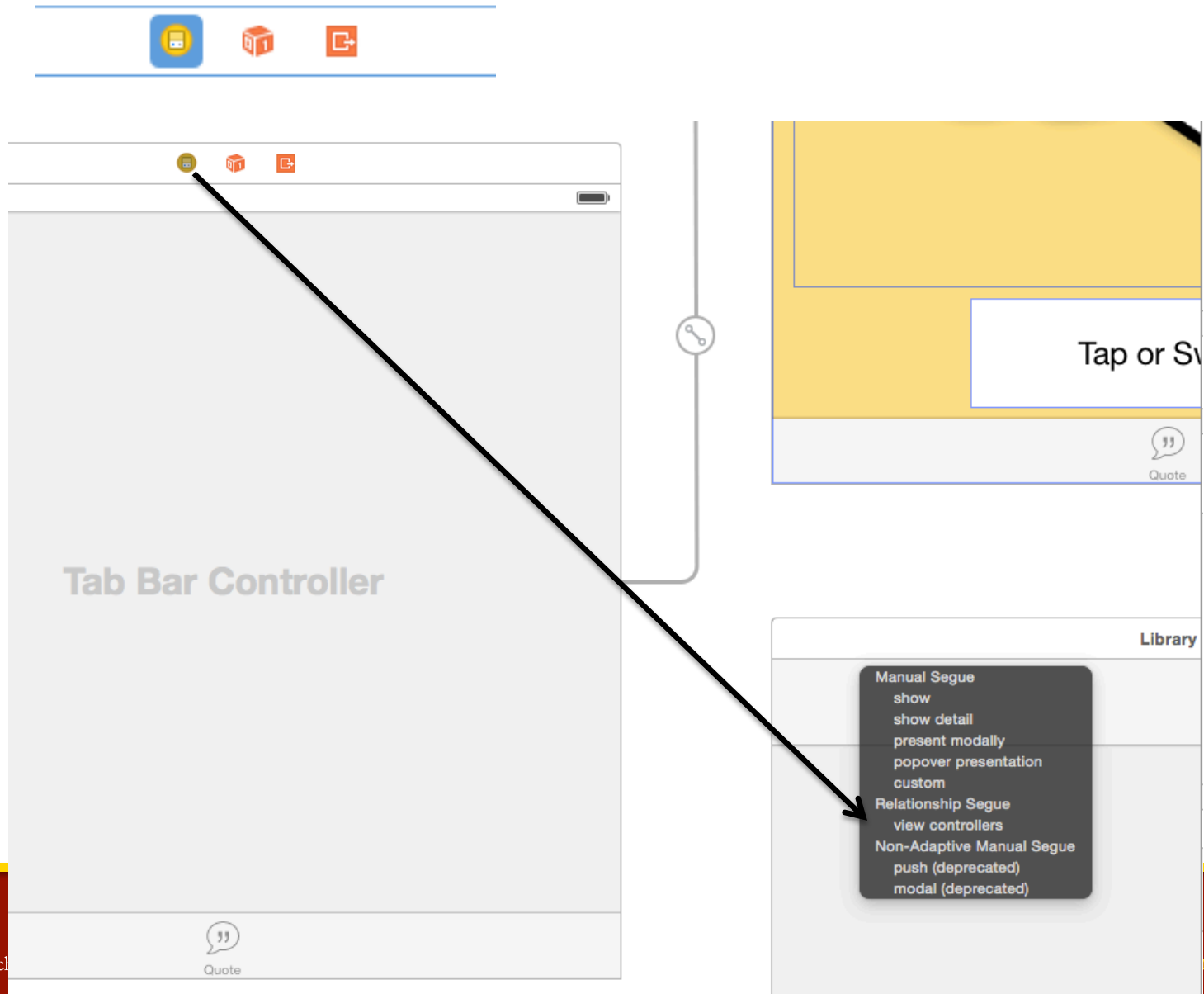
# Quote Tab

- Select the **Quote View Controller**
- Select the **Tab Bar Item**
- In the Attributes Inspector
  - Set the *Title* to **Quote**
  - Select **Quote** for the *Image*

# Second Tab - Library

- Select the Tab Bar Controller
- Control-drag from the Tab Bar to the Quotes Table View Controller
- For the segue, under *Relationship Seque* select **view controllers**

# Add Another Tab Bar



# Segue

- A "relationship" segue is the segue between a container view controller and its child or children

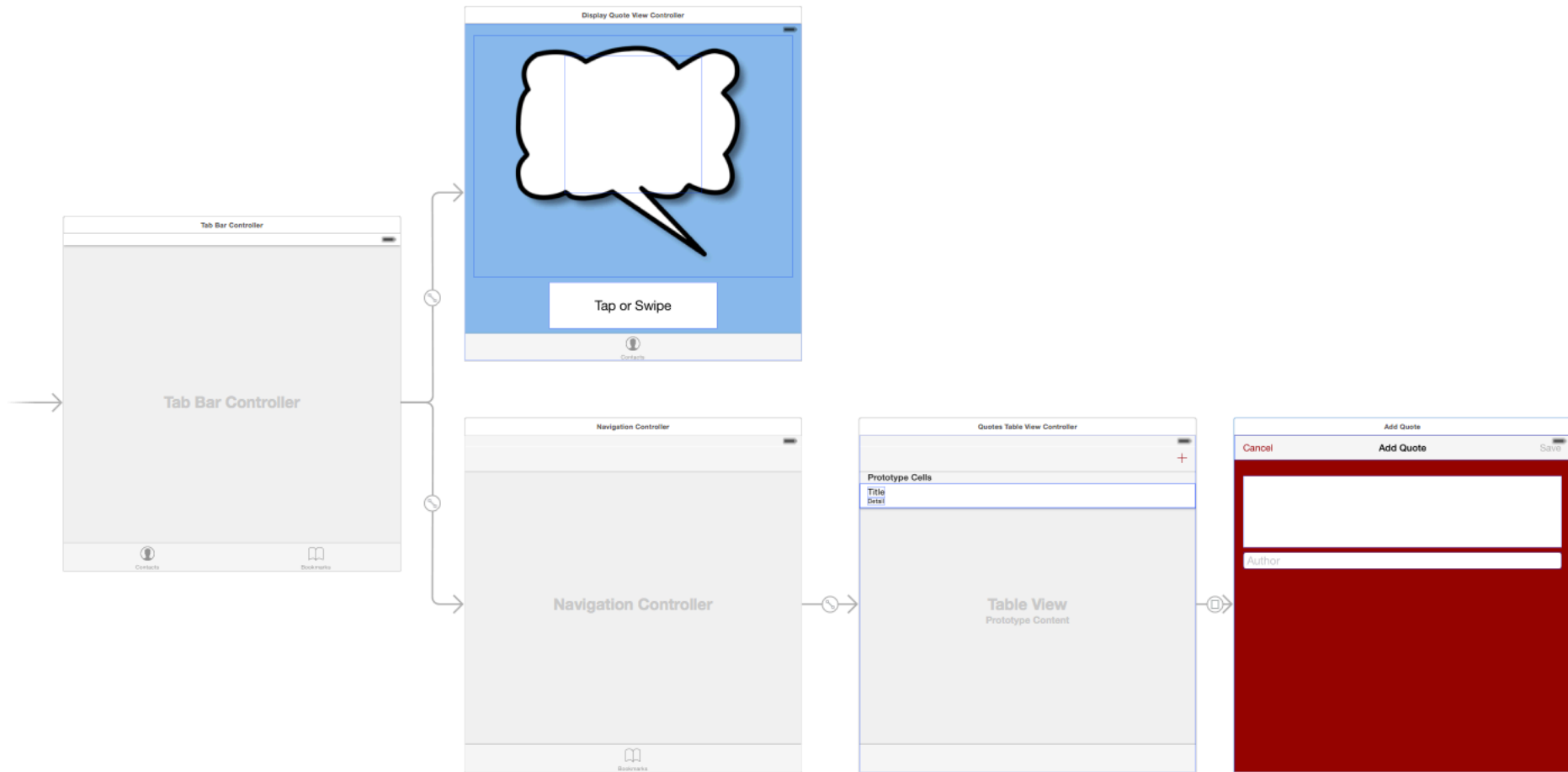


- Examples:
  - the initial controller of a navigation controller
  - the view controllers in the tabs of a tab bar controller
  - the master and detail controllers of a split view controller

# Library Tab

- Select the **Navigation Controller**
- Select the **Tab Bar Item**
- In the Attributes Inspector
  - Set the *Title* to **Library**
  - Select **Library** for the *Image*

# Storyboard



# Run...

- What problem do you notice?
  - Deleted quotes are showing up
- Why?
  - Two model instances
    - QuoteViewController
    - QuotesTableViewController
- Need a shared model
  - Use a singleton

# Resources

- <http://makeapppie.com/2015/01/27/tab-bar-controllers-in-storyboards/>