

Unit 4—Lesson 6:

Intermediate Table Views

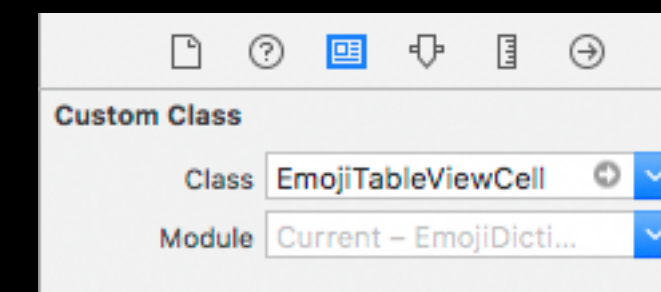
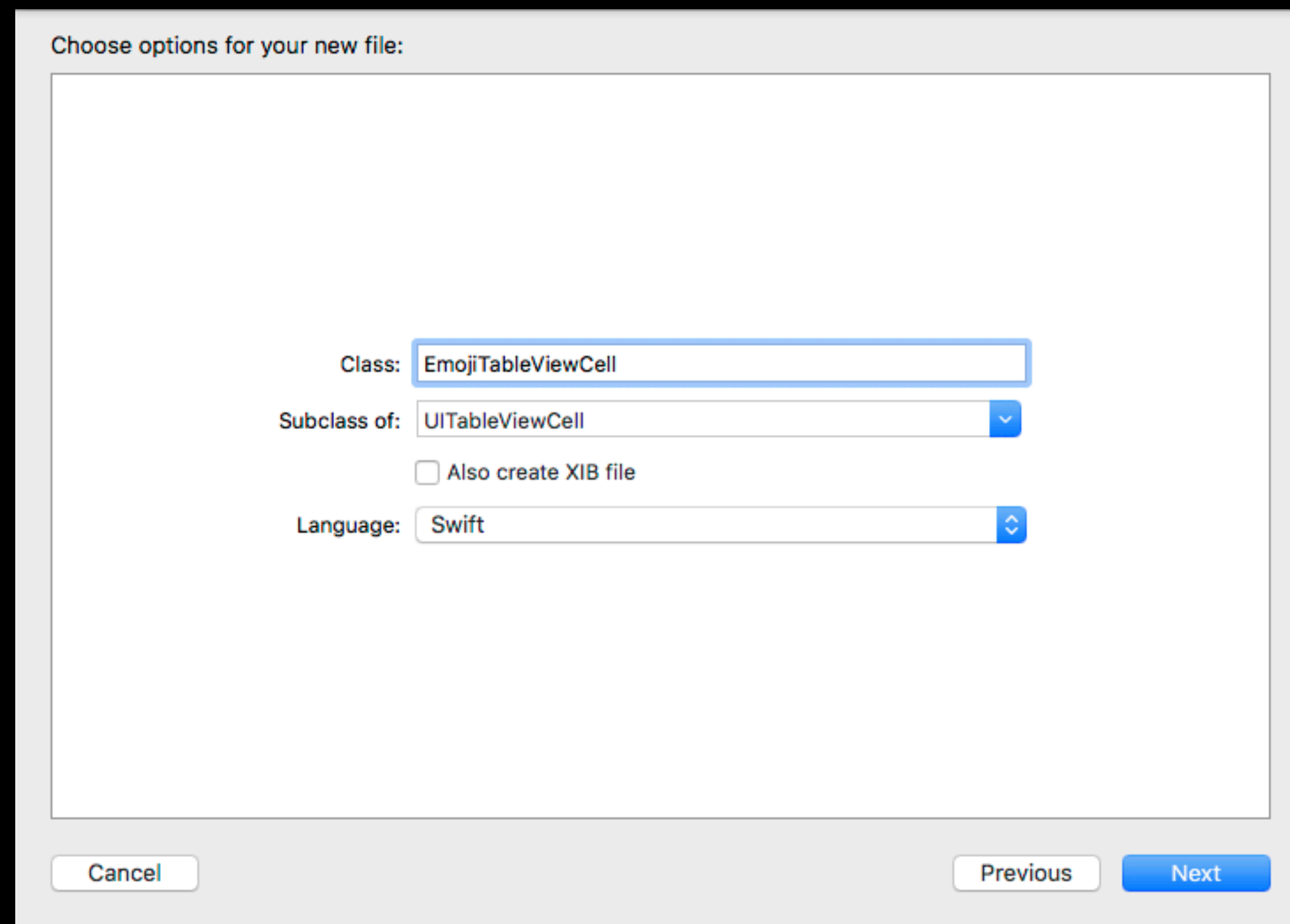
Custom table view cells

Go beyond the four predefined styles of UITableViewCell objects (Basic, Subtitle, Right Detail, and Left Detail)

- Display additional text or buttons
- Change the location of cell objects
- Add custom row actions
- Make your apps stand out

Custom table view cells

Create a custom subclass



Static table views

Cancel

Save

SYMBOL

NAME

DESCRIPTION

USAGE

Settings

Notifications

Push Notifications

Support

Phone Support

Web Support

Email Support

Available 24/7

About

Version

2.3

Build

43

Edit table views

`.none`

No control

`.delete`

Delete control



`.insert`

Insert control



Edit table views

1. `tableView(_:canEditRowAt:)` (optional)
2. `tableView(_:editingStyleForRowAt:)`
3. User taps an editing control
4. `tableView(_:commit:forRowAt:)`

Edit table views

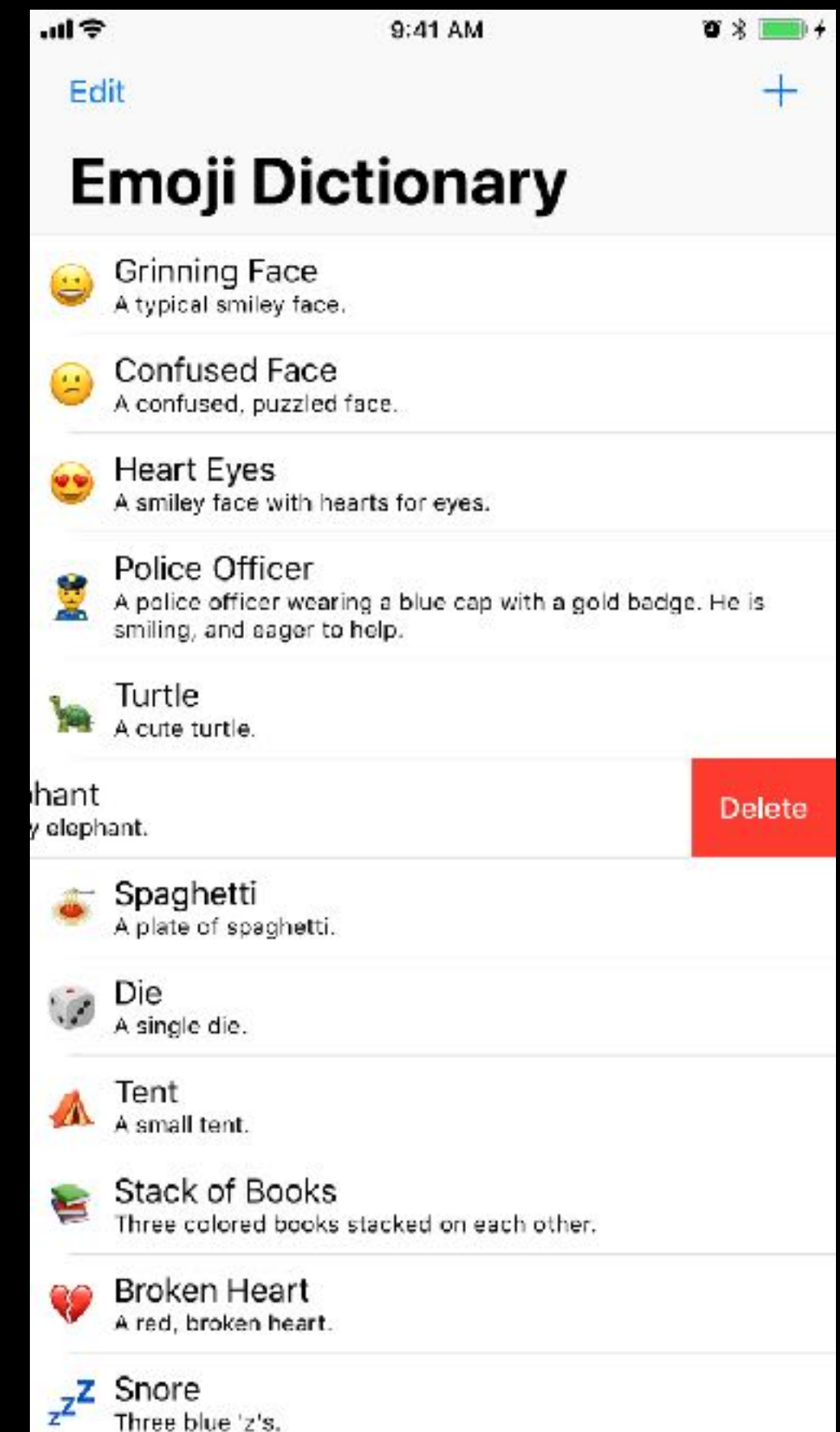
Permit users to add and edit rows

Use the `.insert` control on a blank row

or

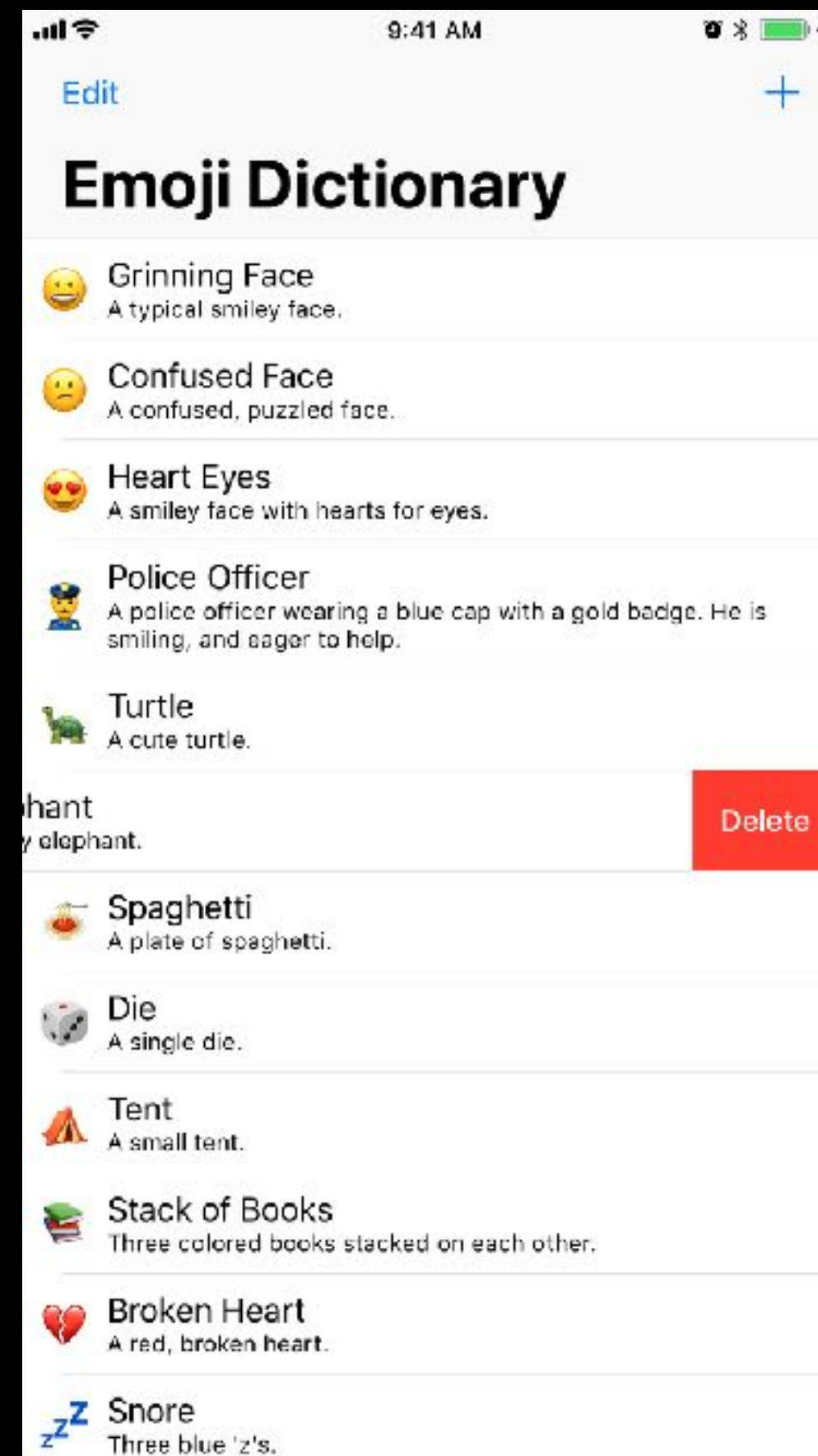
Add an Add (+) button to the navigation bar and present a new view controller

Use the new view controller to permit user edits



UITableView

Row actions

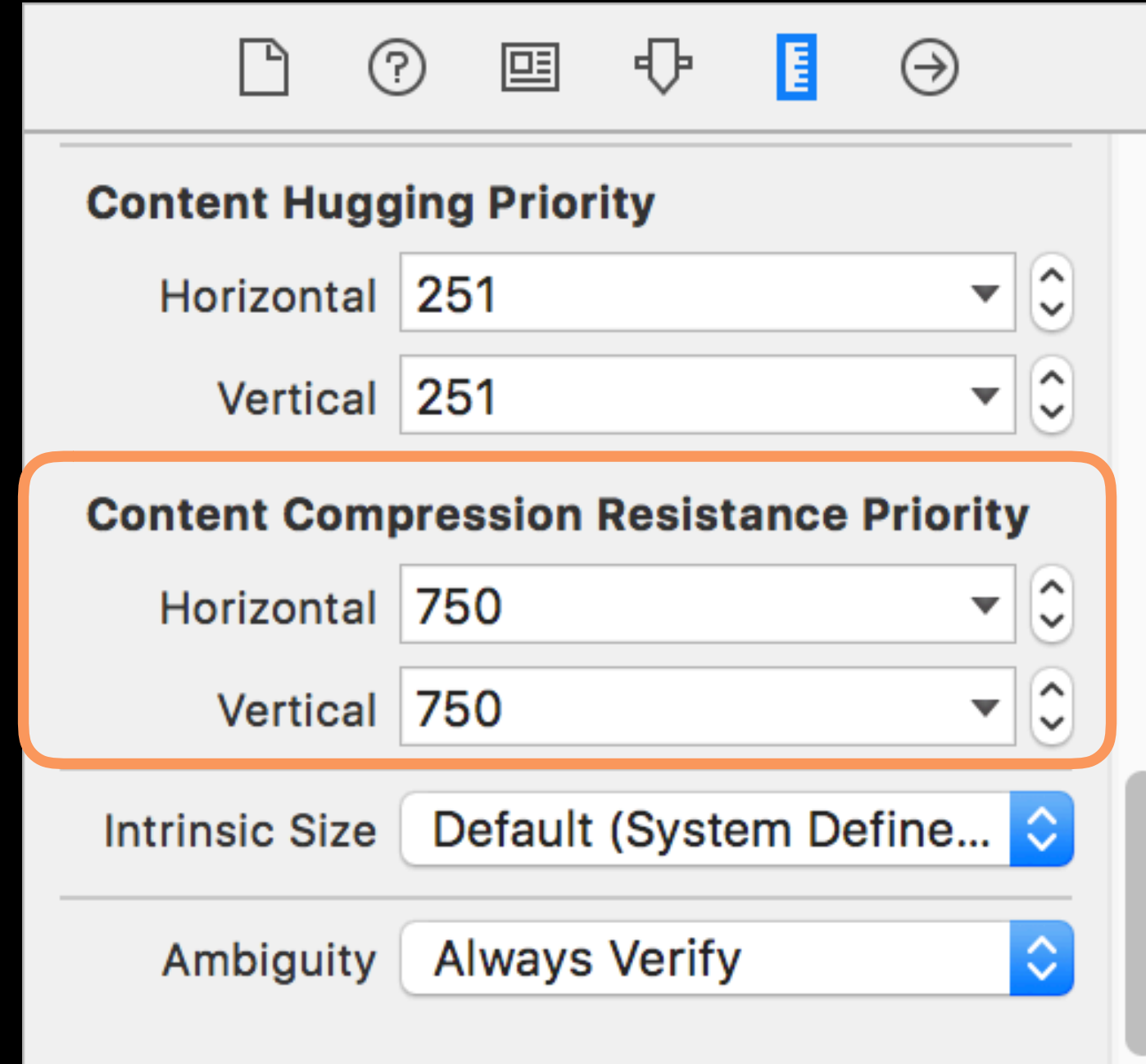


Automatic row height

```
tableView.rowHeight = UITableViewAutomaticDimension  
tableView.estimatedRowHeight = 44.0
```

Must have properly set constraints on both the top and bottom of the views

Compression resistance



The image shows a settings panel with a red rectangular box highlighting the 'Content Compression Resistance Priority' section. The panel has a toolbar at the top with icons for file, help, grid, pin, list, and navigation. Below the toolbar, there are three sections: 'Content Hugging Priority', 'Content Compression Resistance Priority' (highlighted), and 'Intrinsic Size'. The 'Content Compression Resistance Priority' section contains two dropdown menus, both set to '750'. The 'Intrinsic Size' section has a dropdown menu set to 'Default (System Define...'. The 'Ambiguity' section has a dropdown menu set to 'Always Verify'.

Section	Horizontal	Vertical
Content Hugging Priority	251	251
Content Compression Resistance Priority	750	750
Intrinsic Size	Default (System Define...)	
Ambiguity	Always Verify	

Content hugging priority

Content Hugging Priority

Horizontal

251

Vertical

251

Content Compression Resistance Priority

Horizontal

750

Vertical

750

Intrinsic Size

Default (System Define...

Ambiguity

Always Verify

Unit 4—Lesson 6

Intermediate Table Views



Continue to build on the EmojiDictionary project, creating custom cells to display

Unit 4—Lesson 6

Lab: Favorite Books



Implement intermediate table view features into an app that keeps track of your favorite books.

