

Sidebar Navigation

Displaying the Sidebar

You created the sidebar and added the header and row elements, and now you can make the finishing touches to the Recipes app's interface layout. This tutorial guides you through displaying the sidebar in a three-column split view, the final step for replacing the tab bar.

Download the project files and follow these steps to show the sidebar in a three-column split view.

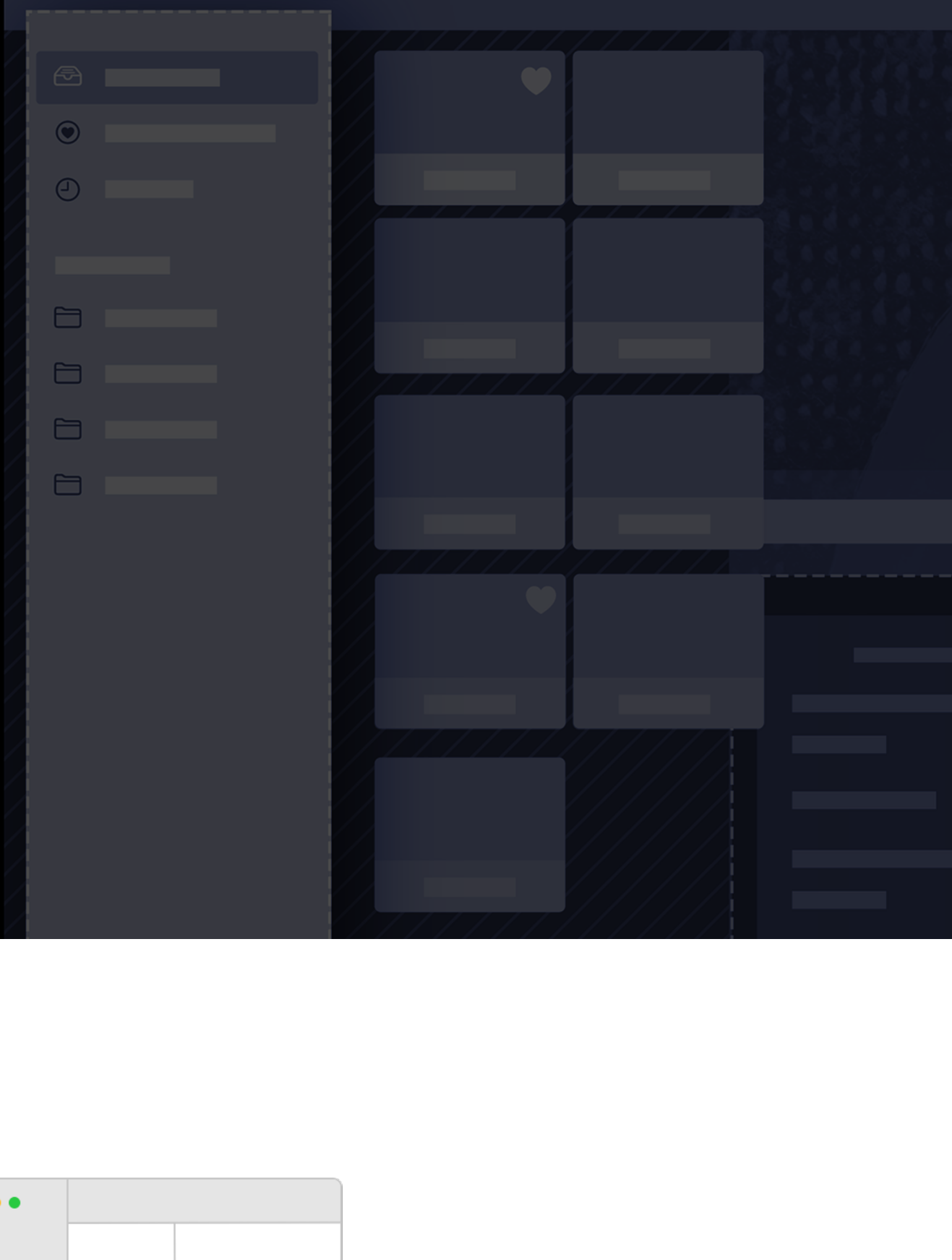
15mins
Estimated Time



Project files



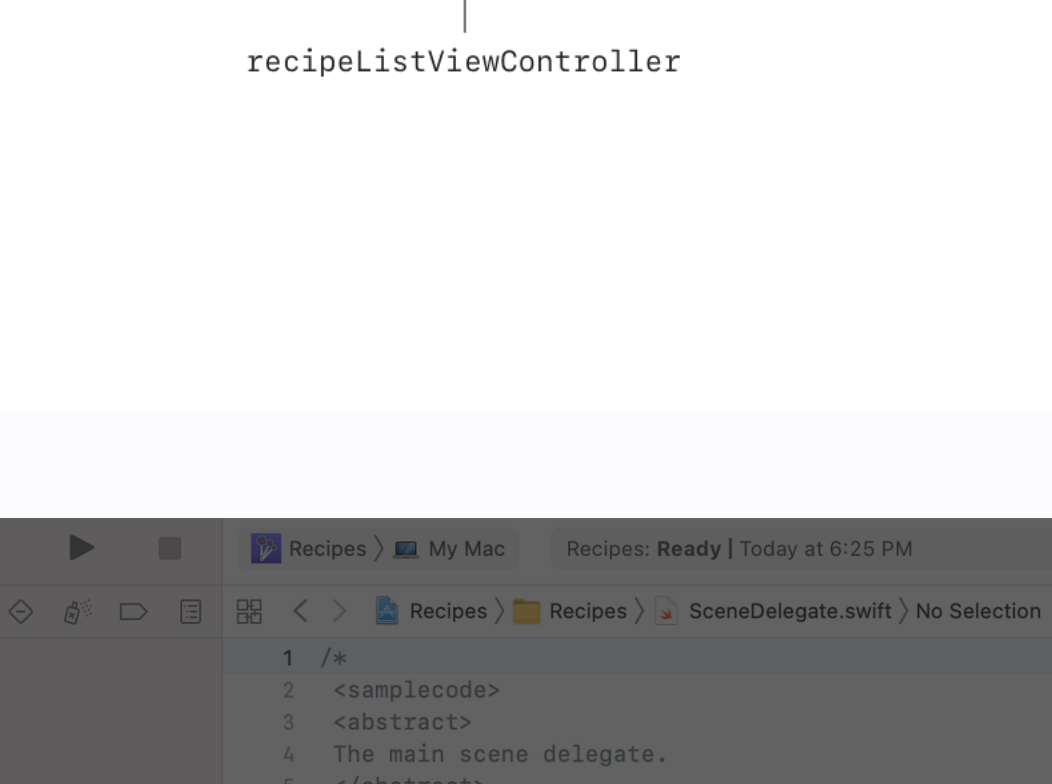
Xcode 12.2 or later



Section 1

Display the Sidebar

Begin implementing the final interface layout of Recipes by creating an instance of `UISplitViewController`, and adding the sidebar, recipe list, and recipe detail view controllers to the split view controller.



Scroll to the end of `SceneDelegate.swift`.

Add a new `SceneDelegate` extension available in iOS 14 and later.

Implement the three-column split view in the code.

Add the method `createThreeColumnSplitViewController()`.

Create an instance of each view controller to display in the split view.

Create an instance of a three-column split view controller by initializing the object with the `.tripleColumn` style.

Note

Setting `preferredDisplayMode` to `.twoBesideSecondary` tells the split view that the app prefers to display the primary and supplementary view controllers tiled next to the secondary view controller.

Add the sidebar, recipe list, and recipe detail view controllers to the split view, and return the split view controller.

The sidebar displays in the `.primary` column and the recipe list displays in `.supplementary`, which is the second column of the three-column split view. The recipe detail displays in `.secondary`, which is the third column of a three-column split view layout.

Scroll through `SceneDelegate.swift` to the top of the file.

In the method `scene(_:willConnectTo:options:)`, set the window's root view controller to the three-column split view when the user interface idiom is `.pad`.

The app inspects the user interface idiom to determine the split view style to use. Recipes displays the three-column split view when it's running on iPad or Mac, and on iPhone, the app displays a two-column split view using the instance of the split view controller provided in the main storyboard.



Section 2

Build and Run the App

It's time to build and run the updated version of the Recipes app on your Mac. Check for build errors, and ensure the app displays the sidebar in the primary column of the three-column split view.

Choose Product > Destination > My Mac.

Build the app and check for errors.

Choose Product > Build.

Now you're ready to run the Recipes app.

Choose Product > Run to launch the app on your Mac.

Run the app in an iPad or iPhone simulator. Choose Product > Destination, and select one of the available iOS Simulators.

Check Your Understanding

Question 1 of 3

How do you programmatically create a three-column split view controller?

```
let splitViewController = UISplitViewController()
splitViewController.numberOfColumns = 3
```

```
let splitViewController = UISplitViewController()
splitViewController.style = .tripleColumn
```

```
let splitViewController = UISplitViewController(style: .tripleColumn)
```

Submit

Next question

Next

Adding a Toolbar

The Recipes app displays navigation bars across the top of each view in the split view. This UI design makes sense for the iPad, but it doesn't work as well on the Mac.

Get started

Platforms

iOS
iPadOS
macOS
tvOS
visionOS
watchOS

Tools

Swift
SwiftUI
Swift Playgrounds
TestFlight
Xcode
Xcode Cloud
SF Symbols

Topics & Technologies

Accessibility
Accessories
App Extension
App Store
Audio & Video
Augmented Reality
Design
Distribution
Education
Fonts
Games
Health & Fitness
In-App Purchase
Localization
Maps & Location
Machine Learning
Open Source
Security
Safari & Web

Resources

Documentation
Tutorials
Downloads
Forums
Videos
Support
Support Articles
Contact Us
Bug Reporting
System Status
Account
Apple Developer
App Store Connect
Certificates, IDs, & Profiles
Feedback Assistant

Programs

Apple Developer Program
Apple Developer Enterprise Program
App Store Small Business Program
MFi Program
News Partner Program
Video Partner Program
Security Bounty Program
Security Research Device Program
Events
Meet with Apple
Apple Developer Centers
App Store Awards
Apple Design Awards
Apple Developer Academies
Entrepreneur Camp
WWDC