

[UIKit](#) / [Focus-based navigation](#) / Navigating an app's user interface using a keyboard

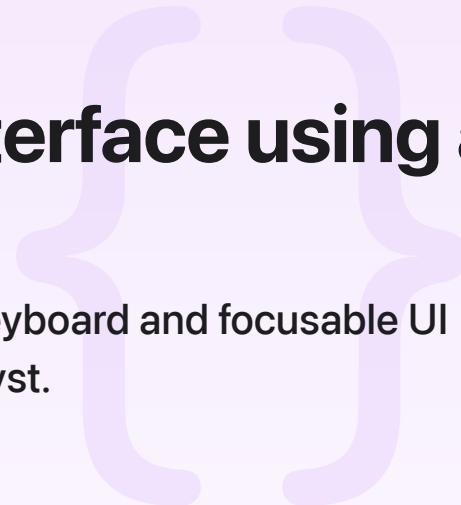
Sample Code

Navigating an app's user interface using a keyboard

Navigate between user interface elements using a keyboard and focusable UI elements in iPad apps and apps built with Mac Catalyst.

[Download](#)

iOS 15.0+ | iPadOS 15.0+ | Mac Catalyst 15.0+ | Xcode 13.0+



Overview

Note

This sample code project is associated with WWDC21 session: [10260: Focus on iPad Keyboard Navigation](#)

See Also

Focus interactions

-  About focus interactions for Apple TV
Design and implement intuitive control schemes for menus and interactive user interface layouts.
-  Adding user-focusable elements to a tvOS app
Create intuitive and easily manipulated user-interactive controls for your tvOS app.

```
protocol UIFocusEnvironment
```

A set of methods that define the focus behavior for a branch of the view hierarchy.

```
class UIFocusSystem
```

Queries and reevaluates the currently focused item.

```
class UIFocusUpdateContext
```

An object that provides information relevant to a specific focus update from one view to another.

```
protocol UIFocusItem
```

An object that can become focused.

```
class UIFocusMovementHint
```

Provides movement hint information for the focused item.

```
protocol UIFocusItemContainer
```

The container responsible for providing geometric context to focus items within a given focus environment.

```
protocol UIFocusItemScrollableContainer
```

A type of focus item container that supports automatic scrolling of focusable content.

```
struct UIFocusGroupPriority
```

The importance of an item within a focus group, used by the focus system to determine the group's primary item.