Framework

MapKit

Display map or satellite imagery within your app, call out points of interest, and determine placemark information for map coordinates.

iOS 3.0+ | iPadOS 3.0+ | Mac Catalyst 13.0+ | macOS 10.9+ | tvOS 9.2+ | visionOS 1.0+ | watchOS 2.0+

Overview

Use MapKit to give your app a sense of place with maps and location information. You can use the MapKit framework to:

- Embed maps directly into your app's windows and views.

- Add annotations and overlays to a map to call out points of interest.

- Add LookAround capabilities to enable users to explore locations at street level.

- Respond to user interactions with well known points of interest, geographical features, and boundaries.

- Provide text completion to make it easy for users to search for a destination or point of interest.

Topics

The MapKit APIs

☰   MapKit for AppKit and UIKit

☰   MapKit for SwiftUI

MapKit for SwiftUI allows you to build map-centric views and apps across Apple platforms. You can design expressive and highly interactive Maps with minimal code by composing views, using ViewBuilders and view modifiers.

📄 **Adopting unified Maps URLs**

Access Maps URLs and options for displaying Maps information across Apple platforms.

Articles

☰ **Deprecated Symbols**

MapKit classes, protocols, and entitlements that are no longer supported.

📄 **Preparing your app to be the default navigation app**

Configure your navigation app so people can set it as the default on their devices.

Structures

`struct AnyMapContent`

A type-erased map content.

See Also

Related Documentation

Location and Maps Programming Guide

≋ **MapKit JS**

Embed interactive Apple Maps on your website, annotate points of interest, and perform georelated searches.

≋ **Apple Maps Server API**

Reduce API calls and conserve device power by streamlining your app's georelated searches.