

[MapKit](#) / MKReverseGeocodingRequest

Class

MKReverseGeocodingRequest

A class that looks up address strings for the provided geographic coordinates.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 26.0+ | tvOS 26.0+ | visionOS 26.0+ | watchOS 26.0+

```
class MKReverseGeocodingRequest
```

Discussion

Use this class to look up an address by a coordinate you provide. This example shows how to use a [Task](#) modifier on a SwiftUI view to reverse geocodes an array of coordinates to the corresponding addresses that MapKit returns in an array of [MKMapItem](#) objects.

```
struct MyReverseGeocoderView: View {
    let fountainCoordinates = [
        CLLocationCoordinate(latitude: 39.042617, longitude: -94.587526),
        CLLocationCoordinate(latitude: 40.774313, longitude: -73.970835),
        CLLocationCoordinate(latitude: -33.870986, longitude: 151.211786),
        CLLocationCoordinate(latitude: 41.875790, longitude: -87.618953),
    ]
    // An array that holds resolved information about the fountains.
    @State var fountains: [MKMapItem] = []
    var body: some View {
```

```
// SwiftUI body views
}

.task {
    var fountainMapItems = [MKMapItem]()
    for coordinate in fountainCoordinates {
        if let request = MKReverseGeocodingRequest(location: coordinate) {
            let mapitems = try? await request.mapItems
            if let mapitem = mapitems?.first {
                fountainMapItems.append(mapitem)
            }
        }
    }
    fountains = fountainMapItems
    // The fountains `MKMapItems` array contains information describing
    // details about the following places based on the provided coordinates:
    //
    // Mill Creek Park Fountain, Kansas City, Missouri
    // Bethesda Terrace Fountain, Central Park, New York City
    // Archibald Fountain, Sydney, Australia
    // Buckingham Fountain, Chicago, Illinois
}
}
```

Topics

Creating a request object

`init?(location: CLLocation)`

Initializes a new reverse geocoder request object with the provided location.

Getting the reverse geocoder's state

`var isLoading: Bool`

A Boolean value that indicates whether the current reverse geocoding request is in a loading state.

`var isCancelled: Bool`

A Boolean value that indicates whether the current reverse geocoding request is in a cancelled state.

```
var location: CLLocation
```

The location provided to the initializer.

Controlling the reverse geocoder's operation

```
func cancel()
```

A method you call to cancel a reverse geocoding request that's in progress.

Getting information about map items and the reverse geocoder's locale'

```
func getMapItems(completionHandler: ([MKMapItem]?, (any Error)?) -> Void)
```

Returns the map items relevant to the reverse geocoded location.

```
var preferredLocale: Locale?
```

A value that indicates the preferred locale for the addresses the request returns, or `nil` if the framework should use the device locale.

Relationships

Inherits From

`NSObject`

Conforms To

`CVarArg`

`CustomDebugStringConvertible`

`CustomStringConvertible`

`Equatable`

`Hashable`

`NSObjectProtocol`

See Also

Geocoding

`class MKGeocodingRequest`

A class that looks up a geographic coordinate using the provided string.