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API Collection

# Errors and Exceptions

Respond to problem situations in your interactions with APIs, and fine-tune your app for better debugging.

## Topics

### User-Relevant Errors

`protocol Error : Sendable`

A type representing an error value that can be thrown.

`class NSError`

Information about an error condition including a domain, a domain-specific error code, and application-specific information.

`protocol LocalizedError`

A specialized error that provides localized messages describing the error and why it occurred.

`protocol RecoverableError`

A specialized error that may be recoverable by presenting several potential recovery options to the user.

`protocol CustomNSError`

A specialized error that provides a domain, error code, and user-info dictionary.

### Assertions

`class NSAssertionHandler`

An object that logs an assertion to the console.

## Exceptions

`class` `NSException`

An object that represents a special condition that interrupts the normal flow of program execution.

## Diagnostics and Debugging

`func` `NSLogv(String, CVarListPointer)`

Logs an error message to the Apple System Log facility.

`func` `NSLog(String, any CVarArg...)`

Logs an error message to the Apple System Log facility.

## See Also

### App Support

#### ☰ Task Management

Manage your app's work and how it interacts with system services like Handoff and Shortcuts.

#### ☰ Resources

Access assets and other data bundled with your app.

#### ☰ Notifications

Design patterns for broadcasting information and for subscribing to broadcasts.

#### ☰ App Extension Support

Manage the interaction between an app extension and its hosting app.

#### ☰ Scripting Support

Allow users to control your app with AppleScript and other automation technologies, or run scripts from within your app.