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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, CVaListPointer)`

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.