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Protocol

XCUIElementSnapshotProviding

A method to capture a snapshot of an element's attributes and descendant user interface hierarchy.

iOS | iPadOS | Mac Catalyst | macOS | tvOS | visionOS | watchOS | Xcode 16.3+

```
@MainActor  
protocol XCUIElementSnapshotProviding : NSObjectProtocol
```

Topics

Providing snapshots

`func snapshot() throws -> any XCUIElementSnapshot`

Returns a snapshot of an element's attributes and descendant user interface hierarchy.

Required

Relationships

Inherits From

[NSObjectProtocol](#)

Conforming Types

See Also

UI elements

`class XCUIElement`

A UI element in an application.

`protocol XCUIElementAttributes`

Attributes exposed by UI elements.

`protocol XCUIElementSnapshot`

A set of attributes to express a snapshot of an element's attributes and descendant user interface hierarchy.

`class XCUICoordinate`

A location on screen relative to a UI element.