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Return in NSOpenPanel() function

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I wrote a file reading function with NSOpenPanel() in Swift, but I'm not sure where to place my return. If I place my return outside of the NSOpenPanel() function, it doesn't return any changes made inside the NSOpenPanel() function.
- ▼

I want to return (true, strings) if the NSOpenPanel() function catches no errors, or return (false, strings) if it does catch an error. Where should I insert my returns?
- 🔖

Function call

```
(self.imported, self.strings) = coder().decode(strings: strings)
```

Function in class coder()

```
func decode(strings: Dictionary<String,Dictionary<String,String>>) -> (Bool, Dict:

let formats = ["swift"] // ADD CORRECT EXTENSIONS FOR VALIDATION
var imported: [String:String] = [:]
var strings = strings

// request folder selection window

let dialog = NSOpenPanel()
dialog.prompt = "Choose"
dialog.allowsMultipleSelection = false
dialog.canChooseDirectories = true
dialog.canCreateDirectories = true
dialog.canChooseFiles = false
dialog.showsResizeIndicator = true
dialog.showsHiddenFiles = false
dialog.begin {

    (result) -> Void in if result.rawValue == NSApplication.ModalResponse.OK,

        let directory = dialog.url!

        do {

            // initialize array of files in selected folder

            let files = try FileManager.default.contentsOfDirectory(at: directory, includingPropertiesForKeys: nil)

            // iterate through files array


            files.forEach { file in
```

swiftswiftui

ShareEditDeleteFlag

edited 11 hours ago

asked 12 hours ago

Thorskjold3

- 🚩

Unrelated but you can replace *spaghetti-code* `result.rawValue == NSApplication.ModalResponse.OK.rawValue` with `result == .OK`. And never `print` *Failed for some reason*, print **the** reason, the caught `error`. – vadian11 hours ago
- 🚩

instead of using begin just use `runModal` and check the result. If it is `.OK` parse the contents of your directory url otherwise deal with the error. – Leo Dabus11 hours ago
- @vadian

good points! – Thorskjold10 hours ago
- @LeoDabus

How would that look? I'm using an NSOpenPanel() in SwiftUI example, so I'm not sure how to alter it. – Thorskjold10 hours ago

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1 Answer

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Remember, user interaction is async. IF you need to ask the user to make a choice, you are writing an async function. It therefore can't return a result. You need to refactor it to take a completion handler. The caller will put the code to handle the result in the completion handler.
- ▼

ShareEditFollow
- ✓

answered 11 hours ago

Duncan C113k19150239
- 🔖

I'm not familiar with async functions, but that does make sense. Do you have a suggestion for how the completion handler would look? I looked up an example of Swift 5 completion handlers but I'm not sure how to apply it to this function – Thorskjold11 hours ago

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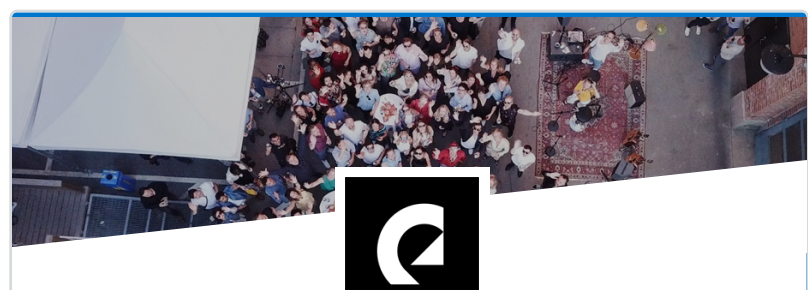
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