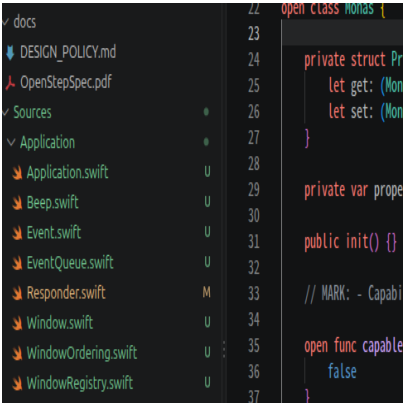




Swift Application

Description

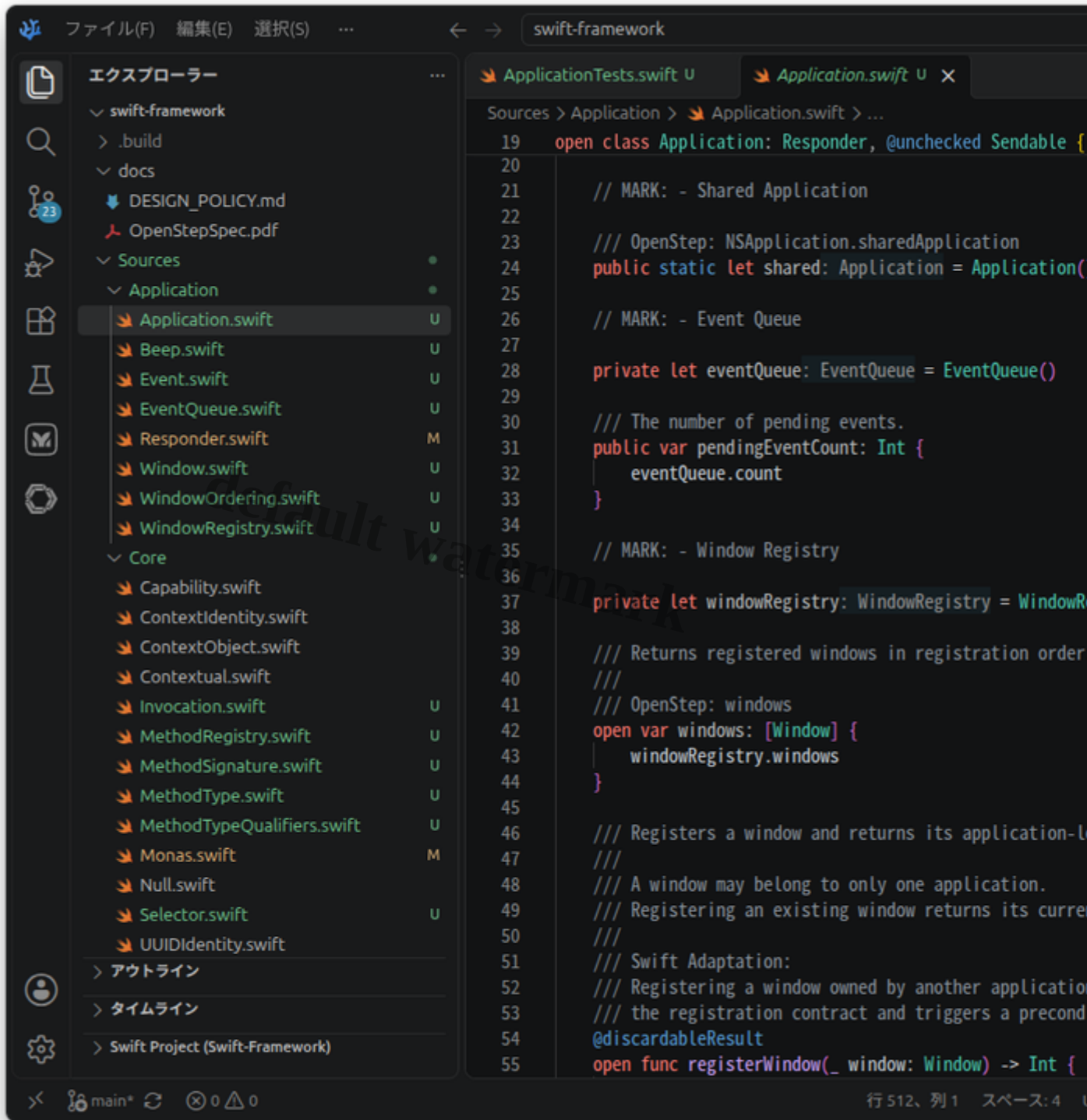
[OpenStep API](#) ZIKUU Swift Framework

Swift Framework

- `UIApplication`
- `NSInvocation`
- `NSResponder`

• `NSWindow`

• `NSApplication`



OpenStepã•®å?°å?ã?ã?©ã?¹ã¬ NSObject ã§ã•?ã•?ã?•ZIKUUã•®ã?ã?ã?¬ã?¹¼ã? ã?ã?¹¼ã?¬ã§ã¬ã?ã•ã•®é?°ã?ã?ã?ã? Monas ã•ã•ã?ã?ã?ã?©ã?¹ã«ã•ãã?ã•¾ã•?ã??

```

21
22 open class Monas {
23
24     private struct PropertyAccessor {
25         let get: (Monas) -> Any?
26         let set: (Monas, Any?) throws -> Void
27     }
28
29     private var properties: [String: PropertyAccessor] = [:]
30
31     public init() {}
32
33     // MARK: - Capability
34
35     open func capable(_ capability: Capability) -> Bool {
36         false
37     }
38
39     open func capabilities() -> [Capability] {
40         []
41     }
42
43     open func perform(_ capability: Capability) {
44         // Subclasses override to perform a capability.
45     }
46
47     // MARK: - Key-Value Coding
48
49     public enum KVCErrors: Error {
50         case undefinedKey(String)
51         case typeMismatch(String)

```

monasã•è¾¾?æ?_ã§å¼¼?ã•ã•

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Capability (è?¼å??) ã??æ?•ã?¬ã?©ã?¹ã¨ã?ã?|ã?•NSObject ã??ã??å°?ã?•ã?ã?ã?ã??ã?•ã?
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ã?ã®Capabilityã?ã?ã??ç?©è^{3a}ã®ç?¹æ?§ã?•ã•ã?ã?ã?ã?ã?§ã?ã??

NSObject implements NSObject methods like respondsToSelector:

```
-(BOOL)respondsToSelector:(SEL)aSelector {  
    return YES;  
}
```

OpenStep®
Objective-C
Objective-C
iOS
Apple
Swift
Objective-C

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NSSelector•®ä»£æ?¿ã?¬ã?©ã?¹

```

14 public struct Selector: Hashable, Sendable {
15
16     public let name: String
17     public let argumentTypes: [MethodType]
18
19     /// Creates a selector with the specified method name
20     /// and argument types.
21     public init(
22         _ name: String,
23         _ argumentTypes: Any.Type...
24     ) {
25         self.name = name
26         self.argumentTypes = argumentTypes.map {
27             MethodType($0)
28         }
29     }
30
31     /// Creates a selector using explicit MethodType information.
32     public init(
33         _ name: String,
34         argumentTypes: [MethodType]
35     ) {
36         self.name = name
37         self.argumentTypes = argumentTypes
38     }
39
40     public static func == (
41         lhs: Selector,
42         rhs: Selector
43     ) -> Bool {

```

NSMethodSignature•®ä»£æ?¿ã?¬ã?©ã?¹

```
14 public final class MethodSignature: Monas {
15
16     public let argumentTypes: [MethodType]
17     public let methodReturnType: MethodType
18
19     /// Returns the number of explicit method arguments.
20     public var numberOfArguments: Int {
21         argumentTypes.count
22     }
23
24     /// Indicates whether the return type has the oneway qualifier.
25     ///
26     /// The qualifier is metadata only and does not currently
27     /// change invocation behavior.
28     public var isOneway: Bool {
29         methodReturnType.qualifiers.contains(.oneway)
30     }
31
32     /// Returns information about an argument at the specified index.
33     ///
34     /// The first explicit argument is at index zero.
35     public func argumentInfo(at index: Int) -> MethodType {
36         argumentTypes[index]
37     }
38
39     private struct CacheKey: Hashable {
40         let argumentTypes: [ObjectIdentifier]
41         let argumentQualifiers: [UInt8]
42         let returnType: ObjectIdentifier
43         let returnQualifiers: UInt8
44     }
```

NSInvocation•@ä»£æ?¿ã?¬ã?©ã?¹

```

14 public final class Invocation: Monas {
15
16     public enum InvocationError: Error {
17         case selectorNotSet
18         case targetNotSet
19         case argumentIndexOutOfRange(Int)
20         case argumentNotSet(Int)
21         case argumentTypeMismatch(Int)
22         case returnTypeMismatch
23         case signatureMismatch
24     }
25
26     // MARK: - Argument Storage
27
28     /// Distinguishes an unset argument from an explicitly
29     /// supplied nil value.
30     private enum ArgumentStorage {
31         case unset
32         case value(Any?)
33     }
34
35     private var argumentStorage: [ArgumentStorage]
36
37     // MARK: - Invocation Properties
38
39     public let methodSignature: MethodSignature
40
41     public var selector: Selector?
42
43     public var target: Monas?
44

```

[illegible]

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Category

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Tags

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Date Created

2026å¹10æ??22æ?¥

Author

kazuo-tsubaki

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