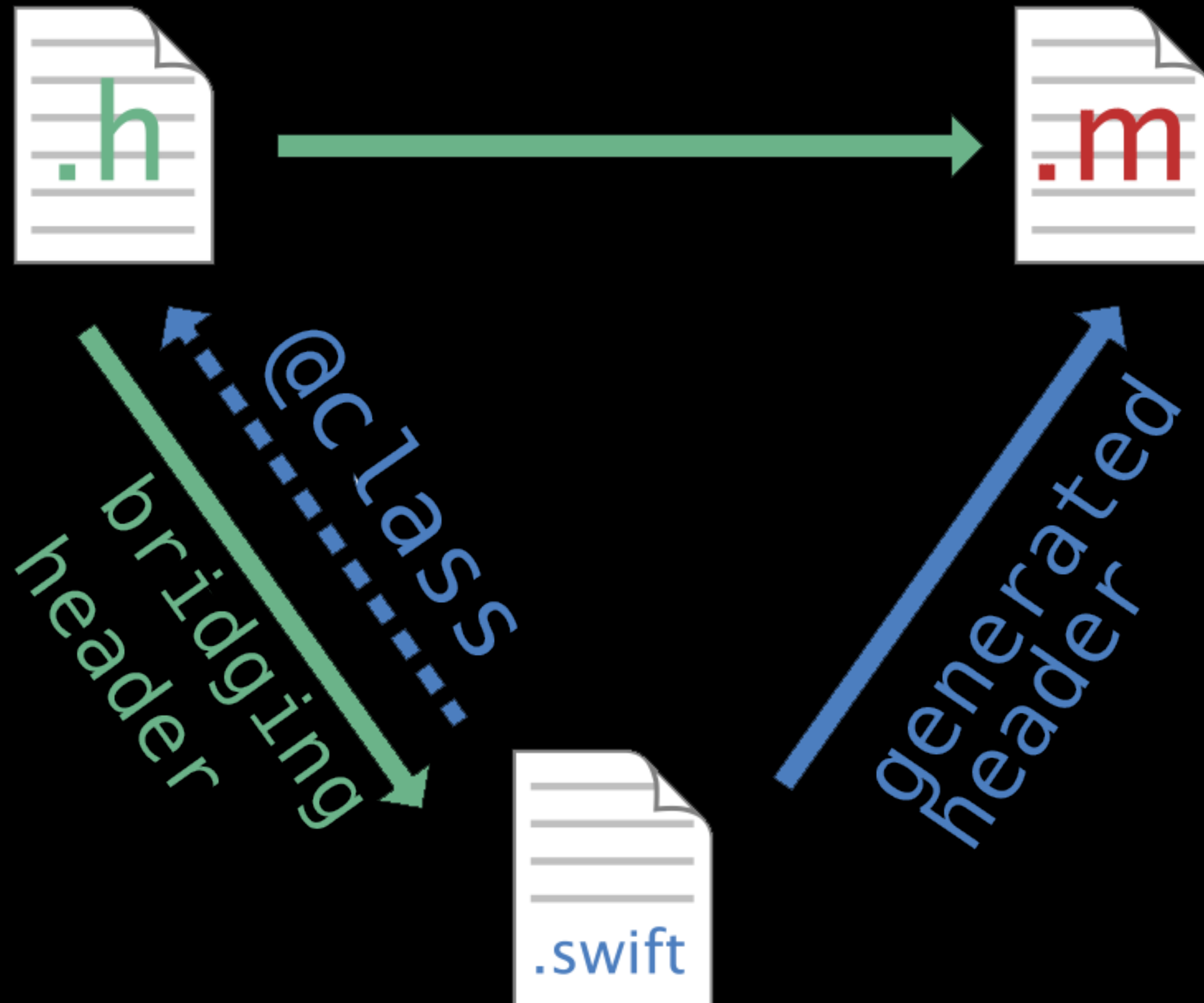# Objective-C and Swift

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Objective-C not going away

- Apple does NOT want you to rewrite your Objective-C apps in Swift

- Objective-C and Swift both first class citizens in Cocoa / Cocoa Touch

- No announced plans to sunset Objective-C

mix and match

Swift in Objective-C

- Xcode creates a bridging header when you make your first Swift file in an Objective-C project

- bridging headers supply Objective-C classes to Swift

- Your Objective-C target is seen as a single module in Swift

- Load order matters (for now at least)

- import your bridging header into your `AppName.pch`

Objective-C APIs in Swift

- Your Swift Module is seen as a single framework to Objective-C

- Import your default Swift module with

```
#import "YourAppName-Swift.h"
```

- Your Objective-C frameworks import into Swift just like UIKit and Cocoa

```
import Cocoa
import MyObjectiveCFramework
```

initialization

```
OBJECTIVE-C
 UITableView *myTableView = [[UITableView alloc]
 initWithFrame:CGRectZero style:UITableViewStyleGrouped];

SWIFT
 let myTableView: UITableView = UITableView(frame:
 CGRectZero, style: .Grouped)
```