

Frameworks



Frameworks

A *framework* is an abstraction in which software providing generic functionality can be selectively changed by additional user-written code, thus providing application-specific software.

We write our code to fit into how a framework is designed and works, in order to have a functioning iOS application.

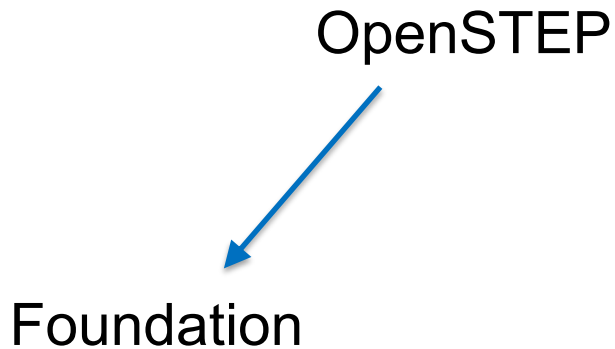
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OpenSTEP

OpenSTEP is an object-oriented API specification for NeXT.

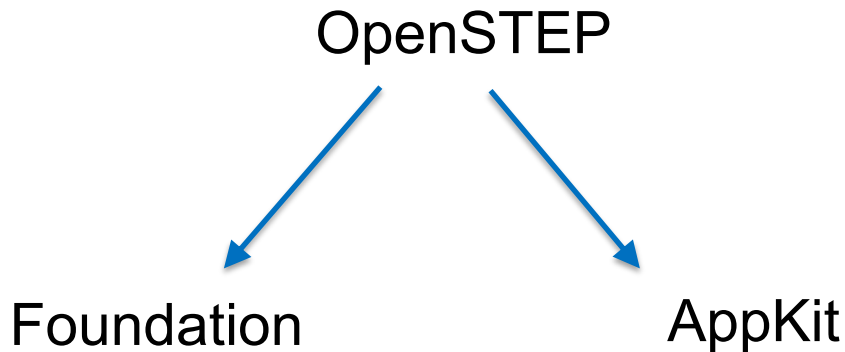
It can be split into two parts:

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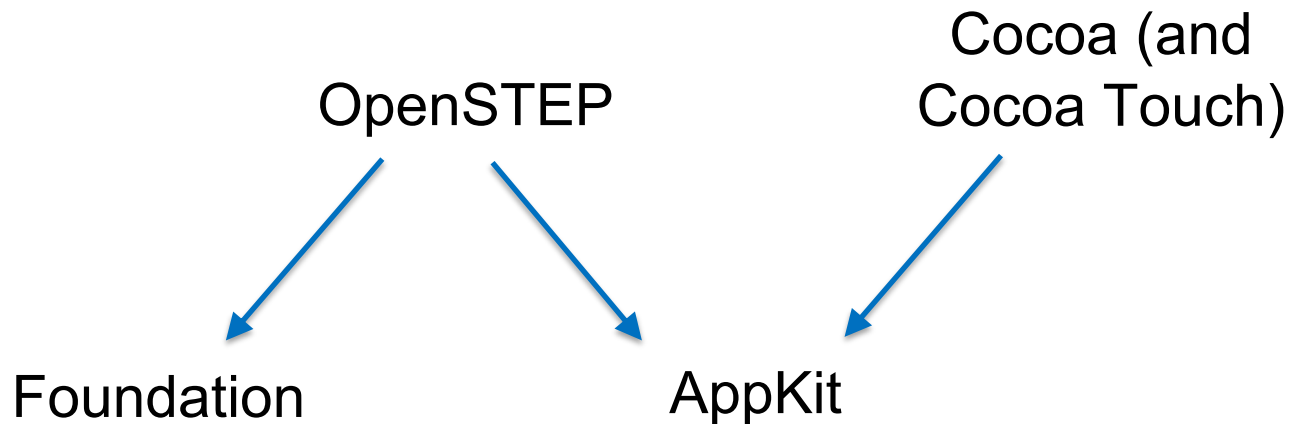
Foundation is an Objective-C framework under OpenSTEP. It contains low-level object definitions such as NSString, NSNumber, etc.

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AppKit is a collection of classes within OpenSTEP, such as `NSApplication`, `NSWindow`, `NSView`, `NSResponder`, etc.

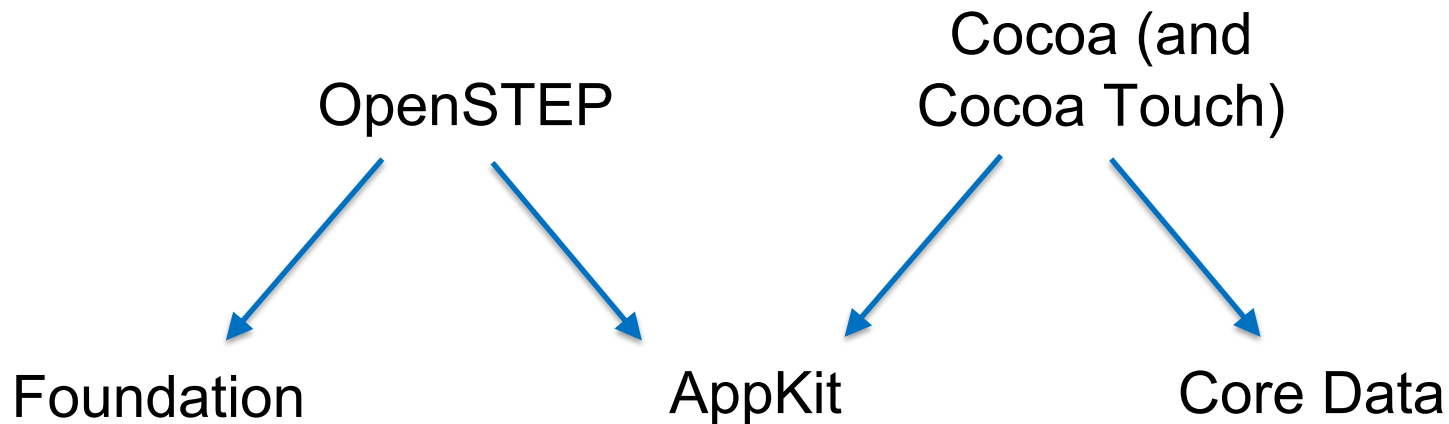
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Cocoa is Apple's native object-oriented API for OS X.

For iOS, tvOS, and watchOS, a similar API exists called **Cocoa Touch**.

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Core Data is a framework provided by Apple that enables data to be organized by the relational entity-attribute model.

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