Special Tasks in the Development Environment

12   Creating Frameworks and Dynamic Shared Libraries

Framework and Library are similar project types. The only difference is in the packaging. To create either one, you specify which headers to publish to its users and set up any precompiled headers. Another concern when updating an exisitng framework is changing the version number in such a way that you don't break users' programs.

;SettingUpAFrameworkProject.rtfd;Settingupaframeworkproject;,   **Setting up a framework project**

;MakingAHeaderFilePrivate.rtfd;Makingaheaderfileprivate;,   **Making a header file private**

;InstallingAPrecompiledHeader.rtfd;Installingaprecompiledheader;,   **Installing a precompiled header**

;ProvidingBackwardCompatibility.rtfd;Providingbackwardcompatibility;,   **Providing backward compatibility**

;AddingPublicAPI.rtfd;AddingpublicAPI;,   **Adding public API**

;VerifyingCompatibilityBetweenTwoLibraries.rtfd;Verifyingcompatibilitybetweentwolibraries;,   **Verifying compatibility between two libraries**

;DebuggingFrameworks.rtfd;Debuggingframeworks;,   **Debugging frameworks**

;FrameworksLibrariesConcepts.rtfd;linkMarkername MultipleNibFiles:GoodThingsinSmallPieces;,   **Related Concepts**

My library was dukedom large enough.
    Shakespeare, *The Tempest*

I shall sleep, and move with the moving ships
Change as the winds change, veer with the tide.
    Algernon Charles Swinburne

Since `tis Nature's law to change, Constancy alone is strange.
    Hon Wilmot, Earl of Rochester, *A Dialogue between Strephon and Daphne*