

# ***ImagePortfolio***

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## **Technical Documentation: The Application Classes**

The source header files for each of the following classes contain more detailed information. All of the source modules have been converted to use the "-ObjC++" (Objective-C++) compiler option. This allows for mixing Objective-C and c++ code in the same source module. Only one c++ class (ParseString) currently exists.

**Note:** This source code must be compiled with **NEXTSTEP 3.1**, or later.

### ImagePortfolio

This is the main Application subclass object. It handles the application initialization, main menu functions, and window

registration to allow files dragged from the Workspace Manager to be dropped into registered windows.

## Portfolio

This class handles the delegate methods for a portfolio window. It also handles passing a list of image files to the Workspace Manager via the View instance method `'dragFile:fromRect:slideBack:event:'` so that the user can drag these files to another application which accepts files.

## PalletMatrix

This is a subclass of the Matrix class which controls the selection, cutting, pasting, deleting, resizing, and sorting of the image cells that it contains. This class is the first responder for the portfolio window.

## PalletCell

This is a subclass of ActionCell which holds information on a single image, including the file path to the image and how it is to

be displayed in the matrix.

### ExpandImage

This object is used by instances of the Portfolio class to composite a large, unscaled, image into a window of its own.

### ExpandedView

This is a View subclass used by ExpandImage to display NXImages.

### imageReps.subproj

This subproject contains special NXCustomImageRep objects (such as GifImageRep) for viewing other image file formats.

### apputils.subproj

This subproject contains special utilities for changing the app dock icon, manipulating files, etc.

thread.subproj

This subproject contains utilities used for multithreaded support. See 'objectThreadPerform.m' for more information.