

# SourceCode

*Path:* /NEBULA2/SourceCode

*Description:* Programming!

**Quad-FAT:** 103 Motorola/Intel/PA-RISC/SPARC

*Tri-FAT:* Motorola/Intel/PA-RISC

*Dual-FAT:* 1 Motorola/Intel

*Motorola:*

*Intel:*

*PA-RISC:*

*SPARC:*

*Total Apps:* 104

**31 Quad-FAT Palettes!**

/AdobeExamples

ControlPoints

by Ken Fromm

Includes source code

Motorola/Intel/PA-RISC/SPARC

Dial

by Ken Fromm

Includes source code

Motorola/Intel/PA-RISC/SPARC

HelloWorld

by Ken Fromm

Includes source code

Motorola/Intel/PA-RISC/SPARC

LineDraw

by Ken Anderson and Ken Fromm

Includes source code

Motorola/Intel/PA-RISC/SPARC

StrokeAdjust

by John-Henry Gross and Ken Fromm

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/SourceCode**

AlexNeXTSTEPSource

by Alex Duong Nghiem

These are the copyrighted source code examples from my upcoming book, NeXTSTEP Programming: Concepts and Applications (ISBN 0-13-605916-3). The book will be available through Prentice Hall either in May or June, and I will be at NeXTWorld (San Francisco May 25-27) with sample copies.

Includes source code

Motorola/Intel/PA-RISC/SPARC

BrainRulers

Version 0.9 by Kevin Brain

An example of the RuledScrollView and ruler classes

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/Classes**

AppExceptions

by Scott Hess

AppExceptions provides for a clearing house of named NeXTSTEP exceptions. Simply link it into your app, and call it NXApp.

Includes source code

browser

Includes source code

ContourView

by Izumi Ohzawa, Ph.D

ContourView class (a subclass of View)

It does color fills within contours just like colored geographical maps.

Includes source code

Motorola/Intel/PA-RISC/SPARC

DirPanel

by Scott Hess

DirPanel provides the ability to select directories for SavePanels and OpenPanels. It does this by providing an Objective-C Category of SavePanel, and an alternative form of the -runModal\* methods for selection of directories.

Includes source code

FileQueue

by Carl F. Sutter

The FileQueue Class is a simple Interface Builder Module to implement a queue of strings, like a list of files.

Includes source code

## FindManager

by David Holscher

Using the Find Manager gets you a find interface almost exactly like found in the Edit application.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## Gauges

by <joe>

There is a general purpose gauge class called "Gauge" that knows how to do all of the functions of a specific gauge but draw it and refresh it's background. It has all of the functions to set flags, data and load values.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## HashFile

by Christopher Lane

HashFile is an object class that implements a bridge between the hashed database library functions, db(3) (used to implement the 'defaults' database and Digital Librarian index files), and the HashTable object. It can be viewed as an alternate interface to the database library functions or as a type of HashTable that survives program execution.

Includes source code

### IconView

An IconView is a View which accepts Icons dropped onto it from applications like Workspace Manager.

Includes source code

### IEMappedFile

by Montgomery Zukowski, Intuitive Edge

IEMappedFile is a public domain class. It is designed as a central resource to map files into memory and make sure that only one object corresponds to one filename.

Includes source code

MathArray.0.30

by Adam Fedor

MathArray is a general library of classes for performing mathematical operations on arrays (vectors, matrices, etc) of values. It can operate on any standard 'C' number type plus numbers of complex type. MathArray is implemented using a "class cluster" concept, allowing one to perform mathematical calculations on a number without necessarily being aware of what type (class) of number is being operated on.

Includes source code

Neural-Network

Neural Network Simulation Classes

By: Ralph Zazula

This package contains Classes that can be used to create software simulations of neural network architectures. These were written to facilitate rapid creation of code to explore various network topologies and learning algorithms.



Motorola/Intel/PA-RISC/SPARC

RCString

It seems to me that since we can make a Class have anything we want, and we know that people love to argue about the merits of C-style, null terminated strings vs. Pascal-style "counted" strings, the Obj-C String class ought to be both.

Rubberview

by Doug Kent

This project demonstrates the use of the Rubberband object in a program called Rubberview.

Includes source code

Motorola/Intel/PA-RISC/SPARC

SampleClasses

by Martin D. Flynn

objectThreadPerform - Multiple thread support

ScrollText - Text object printing support

ReadConfig - Run-Time configuration support

Includes source code

Motorola/Intel/PA-RISC/SPARC

ScrollTxt

ScrollingTextDisplay, class to implement scrolling resizable text from an input stream. Scrolling is both vertical and horizontal.

Includes source code

SortedList

by Don McGregor

This object implements a SortedList, something like the Smalltalk SortedCollection. Objects can be added to the SortedList, and will always be kept in sorted order. It's primarily an internal programming data structure that most users won't see directly.

Includes source code

String

by Don Yacktman

This is the source code and documentation for the String class, a simple class which handles strings and provides an interface to the standard C string functions.

Includes source code

WhereAml

by Scott Hess

WhereAml provides addition methods for Applications concerned with finding files which are part of a .app wrapper.

Includes source code

## **/SourceCode**

CronVixie2.1

by Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user

can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs).

Includes source code

Motorola/Intel/PA-RISC/SPARC

Crossword

Version 1.0 by Scott Roy

Crossword allows you to create blank crossword puzzle frames and then have the computer fill them with words from a chosen dictionary.

You can watch the computer while it works, even interrupting it and stepping one letter at a time to better understand what it's doing.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/Database**

AddressBook

by Mai Nguyen, NeXT Developer Support Team

After you are properly connected to the Sybase server, you can perform operations such as Select, Insert, Update or Delete. Select is performed by clicking on a particular item in the scrollview, which will then display the person's record (last name, first name, social security, phone, address, state of residence, zip code). You have to fill in all these fields when adding a record. Text input is not validated since it is beyond the scope of this small example.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## AssociationExample

by Mai Nguyen, NeXT Developer Support Team

The Association example provides a way to do filtering of detail records by using a subclass of DBAssociation that replaces the default association which exists between the master FetchGroup and the detail FetchGroup.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## BooleanFormatter

by Mai Nguyen, NeXT Developer Support

This example shows how to substitute the default display format in the TableView to your own format by subclassing the DBFormatter class.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## DateFormatter

by Scott Weiner, NeXT Developer Training

Press the Fetch button under the DBTableView and now try to edit some information in the columns. Notice what happens when you try to type anything that is not of the form xx/xx/xx in the second column.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## dbmAdaptor-0.3.pkg

Version 0.3 Release 3.2 June 9, 1994

The freely distributable DBKit Adaptor and Flat-file Database.  
Motorola/Intel

DBTVTest

by William Shipley

The properties must conform to the DBPOproperties protocol. The class SimpleProperty handles that. Then you need an object to act as the DataSource of the table. It must conform to the informal DBTableDataSources protocol. The Tester class handles that.

Includes source code

Motorola/Intel/PA-RISC/SPARC

Evaluator

by Jack Greenfield, NeXT Engineering

This example shows how to evaluate any arbitrary SQL statement or stored procedure by using a subclass of DBBinder, called MultiBinder. This example has been designed to be used with the 3.1 Sybase Adaptor, so that you can get a non-rectangular result set from the evaluation of the stored procedure.

Includes source code

Motorola/Intel/PA-RISC/SPARC

OrderByTest

by Adam Hertz/William Shipley

This example shows you how to change the sort order every time the columns in the tableview are rearranged. The sort property is determined by the identifiers of the tableview columns.

Includes source code

Motorola/Intel/PA-RISC/SPARC

OTC\_EOFBetaExamples\_V1.0

Version 1.0 by SHL Object Technology Center

This submission contains mini examples for the beta version of  
NeXT's Enterprise Objects Framework and Foundation Kit.

Includes source code

QuickApp

How to fetch data with a qualifier that refers to a one-to-one



relationship attribute.

Includes source code

Motorola/Intel/PA-RISC/SPARC

RadioAssociation

Courtesy of William Shipley and Jerry Goode

These 2 files allow you to make a matrix of radio buttons  
synchronize with the boolean data type of your database.

Includes source code

RandomTableView

This example implements an arbitrary data source (ie database  
independent) following the DBTableDataSources protocol.

Includes source code

Motorola/Intel/PA-RISC/SPARC

RecordManager

by Phil Zakhour, Revised by Mai Nguyen

This example demonstrates usage of the Indexing Kit at the

IXRecordManager level. At start-up, a new database .data will be created in your home directory.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### SimpleTableView-1

Example use of DBTableView

Example using the DBTableView object within the dbkit. It shows how to supply custom DBFormatter subclasses for DBTableView for displaying data in table form.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### StaticRowsTV

by Mai Nguyen, NeXT Developer Support Team

This example shows how to build a horizontal DBTableView. In order to run this example, you need to have a Sybase server with a pubs database installed. This example uses SybaseDemo.dbmodela model file (also available under

/NextDeveloper/Examples/DatabaseKit/Models).

Includes source code

Motorola/Intel/PA-RISC/SPARC

TableView

by Mai Nguyen, NeXT Developer Support Team

This example shows how you can define a DBTableView and a DBModule programmatically instead of using the corresponding Interface Builder UI Objects .

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/SourceCode**

daymisckit\_proj

by Don\_Yacktman

This should be considered release 0.00. This is just a collection of generally useful objects. They are required for use in the GameKit, for

example, but aren't included there since they are of a more general nature.

Includes source code

#### DeveloperLabs / Lab 1

Build a calculator using Interface Builder, the Application Kit, and a skeleton calculator object.

Includes source code

#### DeveloperLabs / Lab 2

Create a simple application which demonstrates the various compositing modes.

Includes source code

Motorola/Intel/PA-RISC/SPARC

#### DeveloperLabs / Lab 3

Fix a broken texteditor called TextLab.

Includes source code

DeveloperLabs / Lab 4

Write a complete application from scratch.

Includes source code

Motorola/Intel/PA-RISC/SPARC

DrawingInAnAppIcon

by Jim Million

This is a simple example to demonstrate how to draw within an application's icon

Includes source code

Motorola/Intel/PA-RISC/SPARC

DynaDoodle

by Andrew Vyrros

An example project to accompany the NXApp article

Branching Out With Dynamic Loading

Includes source code

Motorola/Intel/PA-RISC/SPARC

## Dynamic App

Version 1.0

by Ed Hill, NeXT Campus Consultant at the University of Iowa

DynamicApplication gives you an easy way to dynamically load class descriptions at runtime. By subclassing Application it make it possible for any object to load a Class simply by sending a message to NXApp.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## Executive Tester

Version 1.1 by Marc A. Davidson, NeXT Campus Consultant,  
University of Arizona

Executive allows the execution of shell commands from a program, providing both synchronous and asynchronous execution of commands.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## File Browser

Version 1.0

by Tyler Gingrich and Varun Mitroo

This program is intended to demonstrate the implementation a file/directory browser without creating alot of extra code around the basic stuff.

Includes source code

Motorola/Intel/PA-RISC/SPARC

Flip

by Rahul Dhesi

This is Rahul Dhesi's flip program compiled for the NeXT. It's a simple little program that makes it easier to exchange DOS and Un\*x text files.

Unix shell application

Includes source code

Unix Shell application

Motorola/Intel/PA-RISC/SPARC

GameKit

by Don\_Yacktman  
Includes source code

GNULicense

This package was created to make it easier to include the GNU General Public License (GPL) into the interface of a NextStep application.

Includes source code

iDrag.0.6

by Bill Bumgarner

IDrag is a demo of registering windows and handling icons from other applications.

Includes source code

Motorola/Intel/PA-RISC/SPARC

**/Inspectors**



## Allinspectors

by Terrence Talbot

Included in this directory is AllInspector.bundle which provides a Workspace Manager inspector for Adobe Illustrator files.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## InspectMe

by Kevin Brain

InspectMe is an example of how the InspectorManager class may be used. This example may look intimidatingly large for an example, but don't

panic, it isn't as bad as it looks!

Includes source code

Motorola/Intel/PA-RISC/SPARC

## InspectorManager

by Kevin Brain

InspectorManager is a class designed to provide complete inspector functionality for any application.

Includes source code

InspectorPanelDemo

by Joe Freeman

Just make and run. The text field at the top of the panel is not hooked up. It is an exercise left to the reader. Create a delegate for the panel with an outlet connected to the text field.

Includes source code

Motorola/Intel/PA-RISC/SPARC

NewInspector1.1b

by Imran Qureshi

This class is intended to be used as a generic Inspector which simplifies the programming of Inspectors. Most of the things that Inspectors do is encapsulated in this class.

Includes source code

## SwapView\_20r

by Greg Burd

This example is provided because I believe this to be the best way to learn, and I am a fanatic on support. The code for SwapView does not in itself do an inspector, as used in many applications, by itself. The swap view only does the actual swapping of views (hence the name :-). So I felt an apt example would be something that finishes out the 'inspector' functionality.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## WrapperInspector

by Jim Million

WrapperInspector is a custom WorkspaceManager Contents Inspector. It registers with WM to manage inspection of 'wrapped' (also referred to as 'bundled') WM files.

Includes source code

Motorola/Intel/PA-RISC/SPARC

YourWS\_Inspector

by Greg Burd

This is an example of how you can create a dynamically loaded Workspace Contents inspector. When you bring up the Workspace inspector and select inspect the Contents of a file, Workspace looks at the extension, and then if a class has registered to inspect that extension, it loads it into the inspector.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/SourceCode**

Julian

by Charles G. Bennett

The Julian Class is an Interface Builder Module to implement julian day functions

Includes source code

### Libcs

The files in this directory constitute the exportable CMU Computer Science department additions to the C runtime library. They are part of the CMU CS runtime library by default, but may be exported separately as LIBCS.

Includes source code

### LispExample

This directory contains a programming example called "Lisp". It puts up a scrollable window in which you can type Lisp code. It is a good example of running Common Lisp as a child process and subclassing the Text object to be a Lisp Listener.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### Matrix

by Imran

The VarMatrix class is a subclass of Matrix that allows variable sized columns and rows. However the overall shape of the matrix has to be a rectangle.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/MiniExamples**

### **/MiniExamples/AppKit**

AskMe

by Mai Nguyen, NeXT Developer Support Team

It shows how to localize an application. Please refer to the NeXT Technical Support Note "Developer's Guide To Localization" for a detailed explanation of the procedures.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## AtYourService

by Henry Krempel -- NeXT Developer Support

This example demonstrates how applications can export 'Services' to other applications (they will appear in other applications' Services menu).

Includes source code

Motorola/Intel/PA-RISC/SPARC

## BananaSplit

By Henry Krempel

This example shows how to handle resizing with an NXSplitView.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

## ConvertXYtoChar

by Sharon Zakhour, NeXT Developer Support Team

This example shows how to convert from an X,Y coordinate location in the Text object to the nearest character position in that object.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

Grabber

the program: by Ali Ozer, NeXT Software Group

the example: by Sharon Zakhour, NeXT Developer Support Team

This example shows how to create a TIFF file by reading the bits of a rectangular region from the screen. This is accomplished using methods of the NXBitmapImageRep class.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

NormalBrowser

by Sharon Zakhour, NeXT Developer Support Team

This mini-example illustrates how to implement a normal browser.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

PaginationLab

by Samuel Streeper, NeXT Technical publications



When you print a large View, the Application kit will dice your View up into page size rectangles automatically and place these pages on sheets of paper for you. However, it's quite likely that the page breaks that the kit selects are not where you might like them. This application demonstrates how you can influence the kit's pagination routines, and how you can take control of pagination altogether.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

ScrollViewDeluxe (Palette)

By Jeff Martin

This object is an enhanced subclass of ScrollView.

This one works great!

Includes source code

(Moved to /SourceCode/Palettes)

StringList (Palette)

by Jeff Martin

The PAMStringList (a subclass of Storage) is a convenient way to deal

with lists of character strings. It contains methods for adding strings, inserting strings, sorting strings and searching for strings.

This one works great!

Includes source code

(Moved to /SourceCode/Palettes)

## TextORama

by Sharon Zakhour, NeXT Developer Support Team

How to create a TextField which supports one or more of these features: Restricting text length (both when typing and pasting).

Autojumping to another TextField when maximum length is reached.

Interpreting a carriage return literally rather than as an indication to end editing. How to implement emacs key binding support for the Text object.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

## ThumbWheel (Palette)

This is a palette that implements a thumbwheel like the ones on radios

etc...

This one works great!

Includes source code

(Moved to /SourceCode/Palettes)

TIFFandEPS

by Sharon Zakhour, NeXT Developer Support Team

This example shows how to open EPS or TIFF images and save them back out as EPS or TIFF -- converting the image in the process.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

TTools 2.0 (Palette)

by Thomas Burkholder, NeXT Developer Support Team

This MiniExample is an advanced IB Palette primer. The prerequisite knowledge for this is a good understanding of Interface Builder and Objective C including knowledge of the Protocol and Category language elements.

Includes source code.

(Moved to /SourceCode/Palettes)

WhatsUpDoc

by R. Dunbar Poor

What's Up, Doc? provides a skeletal example of how you might manage multiple documents in an applicaton.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

Winfo

By Paul S. Kleppner

Winfo provides information about NeXTSTEP window memory usage. It's useful

for finding windows which unnecessarily allocate alpha or color planes and waste large amounts of memory.

Includes source code

Motorola/Intel/PA-RISC/SPARC

ZooView

by Mary McNabb, NeXT Developer Support Team

Get to know the Developer Support Team, and a few other shady characters with the ZooView mini-example! In this application select a name from the list in the browser, and instantly see a photograph of that person!

Includes source code.

Motorola/Intel/PA-RISC/SPARC

## **/MiniExamples/IndexingKit**

LanguageReader/ReaderDomain example (3.1 only)

This simple program shows how to generate a .domain file programmatically. You should also read the SimpleReader MiniExample (in LanguageReader, below) which shows how to build a customized reader by subclassing IXLanguageReader.

LanguageReader (3.1 only)

This example shows how to build a customized language reader. The

reader is organized as a bundle, so that it can be dynamically loaded by the Indexing Kit, if you are using NEXTSTEP applications such as Digital Librarian.

Includes source code

Motorola/Intel/PA-RISC/SPARC

RecordManager

by Phil Zakhour, Revised by Mai Nguyen

Demonstrates usage of the Indexing Kit at the IXRecordManager level. At start-up, a new database .data will be created in your home directory.

Includes source code

Motorola/Intel/PA-RISC/SPARC

## **/MiniExamples/NetInfoKit**

NILoginPanelTest

by Charles Lloyd

This example shows how to bring up a login panel, and do

password authentication.  
Includes source code  
Motorola/Intel/PA-RISC/SPARC

## **/SourceCode**

MiscKit1.7.1  
Version 1.7.1 by Don Yacktman  
Includes source code

Multi  
by Don McGregor  
A simple multi-threaded app: four windows are continually updated to display an increasing sequence of numbers, an increasing sequence of fibonacci numbers, an increasing series of primes, and a series of circles of random size drawn in random places.  
Includes source code

Motorola/Intel/PA-RISC/SPARC

Multiple\_NIBS

by Eric "E.T." Tremblay

A very small and simply example of how to load a nib

Includes source code

Motorola/Intel/PA-RISC/SPARC

MWNUG-Sept1993

by Don McGregor

Article and source code

Includes source code

Motorola/Intel/PA-RISC/SPARC

NeXTSTEPAdvantage

Listings from the book The NeXTSTEP Advantage

Includes source code.

Motorola/Intel/PA-RISC/SPARC



NeXTWORLD\_DragLab

Version 4.0 by Greg Burd and Randy Nelson

Example about mouse dragging.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

NMK - NeXTSTEP Measurement Kit

by Alex Meyer

Measure and view data about how users interact with user interface items.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

ObserveTester

by Adamation

Look at another field and copies it in real time.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

## OOP\_Course

Short Course Object-Oriented Programming and the NeXTSTEP Development Environment

by John R. Glover, University of Houston, August 1992

These are notes used in a 3-day short course taught occasionally at the University of Houston. Included here is the schedule used in teaching the course, the notes themselves, the lab exercises, and several additional example programs.

Includes source code.

Motorola/Intel/PA-RISC/SPARC

## Palettes

### 28 Interface Builder palettes

#### BarChart *Palette*

by Joe Freeman, NeXT Systems Engineer

This palette demonstrates how to use your custom UI objects with the DBKit. It illustrates in particular the DBCustomAssociation protocol

which allows you to retrieve or set values to your database via a custom view object (here the ChartOfMatrix view).

Includes source code.

Motorola/Intel/PA-RISC/SPARC

Calcuator *Palette*

by Jiro Nakamura

Source code for the Calculator used in Cassandra

Includes source code.

Motorola/Intel/PA-RISC/SPARC

Calendar *Palette*

by Jim Million

Calendar.palette is a 3.0 InterfaceBuilder View palette for the Control subclass Calendar. Calendar is a simple UI widget for presenting and selecting dates in a calendar form.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### Chart *Palette*

by Martin D. Flynn, NeXT Computer, Inc.

ChartPalette is a 3.0 loadable palette that can provide easy access to Pie charts, and Bar charts, within a user interface. Data to be charted can be supplied by Matrix objects (forms, text fields, even sliders), Text objects, or by data point arrays supplied within your program.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### CircularSlider *Palette*

by Vince DeMarco

Includes source code

Motorola/Intel/PA-RISC/SPARC

### Clocks *Palette*

by Jim Million

Clocks.palette is a 3.0 InterfaceBuilder View palette for the Control subclasses AnalogClock, CalendarClock, and DigitalClock (all

direct subclasses of Clock).

Includes source code

Motorola/Intel/PA-RISC/SPARC

### ColorBrowser *Palette*

by Jim Million

ColorBrowser.palette is a 3.0 InterfaceBuilder View palette for the NXBrowser subclass ColorBrowser. ColorBrowser uses a ColorBrowserCell as its Cell class.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### ConnectDemo *Palette*

by Andreas

It fully implements the functionality of IBConnectInspector (exceptions mentioned below). Also, there are only minor differences in the outfit of the interface to help the stressed programmer finding the right buttons.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### CVS *Palette*

by Bob\_Vadnais

This palette preserves the CVS administrative directories within nib documents (directories) that Interface Builder usually blows away.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### DAYString *Palette*

Release 1.2 by Don Yacktman

Includes source code

Motorola/Intel/PA-RISC/SPARC

### Document *Palette*

by Adam Hertz (original code), revised by Mike Riggs, edited by Mai Nguyen

This palette is a subclass of Control. It shows how to conveniently store files into the database using their absolute pathnames, instead of the data associated with them, and let the Workspace do

the work for opening or reading the files.  
Includes source code

Motorola/Intel/PA-RISC/SPARC

GradientKit *Palette*

by Anders Bertelrud Released April 1996

This is a little hack I wrote late last year to make NeXTSTEP 3.3 window title bars blue instead of black.

Includes source code

Motorola/Intel/PA-RISC/SPARC

HotShape *Palette*

Version 9 December 4, 1993

Includes source code

Motorola/Intel/PA-RISC/SPARC

IBMole *Palette*

The IBMole publishes InterfaceBuilder's NXApp variable as a distributed object. From there you can get a list of the documents

open in IB and the objects which lie therein, and then manipulate them programmatically.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### KeyDownBrowser *Palette*

by Jim Million

KeyDownBrowser.palette is a 3.0 InterfaceBuilder View palette for the NXBrowser subclass KeyDownBrowser. KeyDownBrowser extends NXBrowser to provide Workspace Manager-like response to keyboard entry.

Includes source code

Motorola/Intel/PA-RISC/SPARC

### MailComposer *Palette*

Version 1.0

by Jim Million

MailComposerPalette is a 3.0 InterfaceBuilder Object palette. With this palette, you can remotely open, write to, and deliver 'Compose'



windows in Mail.app.

Includes source code

Motorola/Intel/PA-RISC/SPARC

Object *Palette*

by Charlie

This is a quick example in the "mini-example" vein. It is a demonstration of how to generate an object palette for Interface Builder. The object itself does very little (adds two numbers and returns the result), so the example should only be considered as a skeleton of how to develop object palettes.

Includes source code

Motorola/Intel/PA-RISC/SPARC

OOPSPalette *Palette*

Includes source code

Motorola/Intel/PA-RISC/SPARC

PAScrollViewDeluxe *Palette*

By Jeff Martin

This object is an enhanced subclass of ScrollView.

Includes source code

Motorola/Intel/PA-RISC/SPARC

PAStrngList *Palette*

by Jeff Martin

These two objects are used for generating and maintaining lists of strings and filenames.

Includes source code

Motorola/Intel/PA-RISC/SPARC

PAThumbWheel *Palette*

Includes source code

Motorola/Intel/PA-RISC/SPARC

PSAction *Palette*

PSActionPallette implements an object class and InterfaceBuilder palette that can be viewed as a way to add simple scripting to

InterfaceBuilder (using PostScript as the scripting language) or as a simple PostScript previewer object class.

Includes source code

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### RotationSlider *Palette*

by Don Yacktman

RotationSliderPalette.palette is a 3.0 InterfaceBuilder View palette for the Slider subclass RotationSlider. RotationSlider is a simple UI element which implements a slider which is circular in shape, rather than straight. A RotationSlider's appearance is similar to that of certain sliders appearing in several Stone Design products, except that it has a proper bezel and a different knob.

Includes source code

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### ScrollViewDeluxe *Palette*

By Jeff Martin

This object is an enhanced subclass of ScrollView.

Includes source code

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### SwitchBox *Palette*

Version 2.0 Sept 14 1992 by Nicholas Christopher

A SwitchBox is a View that allows its subview to be switched on request. The subview is switched to one of a set of predefined views. The separate subviews are assigned to the views of other panels, windows or boxes.

Includes source code

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### TablePrinter *Palette*

An InterfaceBuilder palette which nicely formats and prints DBTableViews.

Includes source code

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### TabMatrixPalette1.5 *Palette*

Version 1.5 by Sean Hill

Includes source code

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TTools (2.0) *Palette*

by Thomas Burkholder, NeXT Developer Support Team

To provide an educational example of advanced palette-building techniques.

To address issues associated with managing a large palette project.

To push the envelope of IB tools.

Includes source code

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WLabeledSlider *Palette*

Version March 25, 1993

WLabeledSliderPalette is a really simple palette that has a new slider on it that let's you have outlets for min, max, and current values of a slider.

Includes source code

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### 3.0JoyStick *Palette*

by James Moosmann, Ian Stephenson

A simple Joystick object, written to try out writing an IB palette.

Simply drag it into your application, and add JoyStick.[hm] to the project.

Includes source code

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## **/SourceCode**

PersonalPreferences

by Greg Burd

This is an example of how you can create a dynamically loaded preference into Preferences.app.

Includes source code

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## Plotter

This directory contains Plotter and the source files used to create it. Plotter is a demonstration application that's discussed in <sup>a</sup>The NeXTstep Advantage: Application Development with NeXTstep<sup>o</sup>  
Includes source code  
Motorola/Intel/PA-RISC/SPARC

## PopUpFormatter

By Daryl Thachuk, Montage Technologies Inc.

PopUpList into a DBTableView. The PopUpformatter allows you to select into the column cell one value from a predefined list of values. By clicking on the cell with the PopUpformatter you will be shown a list of valid values for that cell.

Includes source code  
Motorola/Intel/PA-RISC/SPARC

## PriorityQueue

by Mark Onyschuk

PriorityQueue is a container class like NeXT's List, except objects contained within a PriorityQueue are dequeued by unsigned integer priority.

Includes source code

## Project\_2

Project Two: The One-Button Calculator

Found on page A-28 in the NeXT Development Tools.

Includes source code

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## Project\_3

Project Three: The One-Button Calculator

Found on page A-39 in the NeXT Development Tools.

Includes source code

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PSviewExample

by Eric "E.T." Tremblay



This is a simple example of how to do PostScript in a view.  
Includes source code  
Motorola/Intel/PA-RISC/SPARC

### Puppeteer1.1

Version 1.1 by Dave Griffiths

As for what Puppeteer does... it's an object that helps you to send events to other applications. It uses NXJournaler (of which every app has one). It lets you build command-line programs to control NeXTStep apps. It's a step toward overcoming the lack of scripting/macro capabilities in NS.

Includes source code

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### Random2.0

Version 2.0 Written by Gregor N. Purdy

The Random class provides services for random number generation and dice rolling. It implements its own random number generator with a cycle length of 8.8 trillion.

Includes source code  
Motorola/Intel/PA-RISC/SPARC

RemoteMailCompose  
by Jim Million

This example demonstrates how to remotely open and manage 'Compose' windows in Mail.app, using the custom Speaker subclass MailSpeaker.

Includes source code  
Motorola/Intel/PA-RISC/SPARC

RTFExplorer  
by Klaus Hofrichter, Dec 1992

RTF Explorer is a little, more or less interesting application. It can be used to learn more about the RTF notation used by AppKit's Text object.

Includes source code  
Motorola/Intel/PA-RISC/SPARC

## ScrollView Example

by Eric "E.T." Tremblay

This is simply an example of a working scrollview.

With examples such as textlength, bytelength, background color, text color, setText, check spelling, text justification, ruler, and Save and Load a scrollview. (I know it's not only a scrollview example, it show a lot of stuff from the text object also.)

Includes source code

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## ScrollWindow

by David S. Joerg, MindShock, Inc.

The Appkit provides facilities for automatically resizing Views.

However, for many Views it does not make sense to allow resizing (control panels, game boards, and palettes being good examples). By using ScrollWindow for your fixed-size windows, users gain more control over how much screen space each window will take.

ScrollWindow is not very useful for resizable Views, since the user already has control over the window's size.

Includes source code  
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## ShellPanel

by Christopher Lane

Alert, Menu, Open and Save are simple wrappers for the NextSTEP NXRunAlertPanel routine and OpenPanel and SavePanel objects that allow them to be used from (interactive) Unix shell scripts (to provide consistent GUI panels across C and shell executables).

Includes source code  
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## Sizer

How to resize a view.

Includes source code  
Motorola/Intel/PA-RISC/SPARC

## SliderDualActing

by Andrew Stone

SliderDualActing is a Control that combines a textField and slider as one logical object, knows how to "undo" itself, synchronize its displays, and validate and reset the slider if the user types in values higher than maxValue or lower than minValue.

Includes source code

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Starter

Version Dec 1994 Robert Vasvari

The purpose of the Starter app is to provide the developer with a framework that has all these mechanisms already working in some basic way, so that instead of implementing them from scratch, they can simply be extended in a kind of "fill in the blanks" way.

Includes source code

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TabCell

by Bill Edney

Example of how to make tabcell in your application.

Includes source code

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Tee.3.0

by Dimitri Tischenko & P.B. Schuller, special thanks to Scott Hess

Tee is created in analogy with the Unix(tm) tee command. Tee permits connecting an action to more than one object.

Includes source code

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TIFFframes

by Robert F. Cahalan

TIFFframes is a very simple NeXTStep utility useful for creating 24-bit TIFF images from 3 separate 8-bit files, which store the red, green, and blue components separately with no header information.

Includes source code

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## TreeView

by Don\_Yacktman

This program mainly serves as a programming example and a way to make available a generic Tree class. The Tree class is particularly useful for building parse trees, and subclasses could easily be made to create a recursive pretty-printer automatically.

Includes source code

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## Tutorial

This directory contains several documents related to a Capabilities Seminar that was developed by Dan McCreary with the assistance and encouragement of Greg Smedsrud, Dave Stutz, Larn Warburg and Charlie Oei. This seminar is designed to introduce concepts of object oriented programming and the NextStep environment to faculty developing courseware.

Includes source code

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Twin

A T window interface.

by John D. Ramsdell

It runs T as a separate process and provides an editable input window and a history window for interaction with T.

Includes source code

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WhatButton

by Eric "E.T." Tremblay

Almost everything you want to know about Radio Buttons.

Includes source code.

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WindowDepth.bproj

by Gary Ritchie

WindowDepth.preferences is a Preferences.app module that lets you



tinker with the maximum window depth of applications. It requires NeXTSTEP 3.0.

Includes source code

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WindowSize

by Rene Guimont

This is an example of how to find a windows location, size and if it has been moved, selected etc...

Includes source code

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