SourceCode

235127_PixelRule.tiff ¬

Path: /NEBULA/SourceCode
Disk Space: 160 MegaBytes
                 Description: Programming!

paste.tiff ¬

ADOBE EXAMPLES by Adobe System, Inc:

ControlPoints by Ken Fromm
Includes source code

Dial by Ken Fromm
Includes source code

HelloWorld by Ken Fromm
Includes source code

LineDraw by Ken Anderson and Ken Fromm
Includes source code

StrokeAdjust by John-Henry Gross and Ken Fromm
Includes source code

Adobe Examples End

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

    AtYourService
        by Henry Krempel -- NeXT Developer Support
    This example demonstrates how applications can export ªServicesº
    to other applications (they will appear in other applications'

Services menu).
Includes source code

Broadcast
Broadcast.daemon & displaymsg
by Gary Ritchie
  These two programs let you pop-up a panel containing a
  message, on a system where someone else is logged in to the
  Workspace.   The user does NOT have to have public window
  server on.   These programs require NeXTSTEP 3.0.
Includes source code

Chat
      by Andrew Loewenstern
  Chat.app is a really simple program I wrote at a Houston Area
  NeXT User Group meeting to show our user group how to write
  apps using Distributed Objects.   It is a multiuser chat program that
  lets clients connect to a "server" and share messages with each
  other.
Includes source code

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

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

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

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

Rubberview
by Doug Kent
This project demonstrates the use of the Rubberband object in a
program called Rubberview.
Includes source code

SampleClasses
by Martin D. Flynn
objectThreadPerform - Multiple thread support
ScrollText - Text object printing support
ReadConfig - Run-Time configuration support
Includes source code

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

SubprocessPlus
by Drew   Davidson
   My additions were made to support a "Processes"
   panel like the Workspace has, so that multiple
      Subprocesses could be used simultaneously and tracked

faithfully.
Includes source code

WhereAmI
by Scott Hess
WhereAmI provides addition methods for Applications concerned with finding files which are part of a .app wrapper.
Includes source code

End of Classes

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

DBKit

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

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

DBTVTest

by William Shipley
The properties must conform to the DBPOroperties 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

QuickApp
How to fetch data with a qualifier that refers to a one-to-one
relationship attribute.
Includes source code

TableViewExample
     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

DBKit End

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

DeveloperLabs / Lab 3
Fix   a broken texteditor called TextLab.
Includes source code

DeveloperLabs / Lab 4
Write a complete application from scratch.
Includes source code

DrawingInAnAppIcon
by Jim Million
   This is a simple example to demonstrate how to draw within an
   application's icon
Includes source code

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

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

File Browser
Version 1.0
by Tyler Gingrich and Varun Mitroo
This program is intended to demonstrate the implemention a
file/directory browser without creating alot of extra code around the
basic stuff.

Includes source code

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

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
by Bill Bumgarner
IDrag is a demo of registering windows and handling icons from other
applications.
Includes source code

Inspectors

AIInspectors
by Terrence Talbot
Included in this directory is AIInspector.bundle which provides a
Workspace Manager inspector for Adobe Illustrator files.
Includes source code

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

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

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

WrapperInspector
by Jim Million
WrapperInspector is a custom WorkspaceManager Contents Inspector.   It registers with WM to manage inspection of 'wrapped' (also refered to as 'bundled') WM files.
Includes source code

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

Inspectors End

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

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

MINI EXAMPLES:

AskMe
by Mai Nguyen, NeXT Developer Support Team
It shows how to localize an application.
Includes source code

BananaSplit
By Henry Krempel
This example shows how to handle resizing with an NXSplitView.
Includes source code.

CellScroller
by R. Dunbar Poor and Mai Nguyen, NeXT Developer Support
CellScroller is a simple example that installs a matrix of custom cells
(FooCells) in a subclass of ScrollView (CellScrollView).
Includes source code.

ConvertXY
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.

FilterFunctions
by Susan Rayl, NeXT Developer Training Team
This MiniExample demonstrates how to modify the filter function of a
text object. A text filter function is the input filter for the Text object
which allows the programmer to monitor (and control or modify), the
characters entered into a Text object or a TextField object.
Includes source code.

FindIt

by Mary McNabb, NeXT Developer Support Team
The FindIt example, besides displaying some truly fine quotes,
implements a basic find panel. The find object can apply a text search
to the contents of a text object or a matrix of text fields.
Includes source code.

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.

ImageText
By Jayson Adams,NeXT Strategic Developer Engineer
This example demonstrates how to place graphic images in a Text
object.
Includes source code.

NormalBrowser

by Sharon Zakhour, NeXT Developer Support Team
This mini-example illustrates how to implement a normal browser.
Includes source code.

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.

Performance Tuning Self-Teaching Guide
by Mai Nguyen, NeXT Developer Support
and Randy Nelson, NeXT Developer Training
This folder contains 3 versions of the same example VisibleView.
VisibleView-01 is the non-optimized version,   VisibleView-02 is a
version with some improvements, and VisibleView-03 is the most
optimized version. The Winfo folder contains the Winfo tool.

Includes source code.

Rotato
by Henry Krempel, NeXT Developer Support
(based very much on Ali Ozer's original)
This example is intended to illustrate the steps necessary in rotating an
NXImage.   A Custom View is shown that contains an NXImage.
Includes source code.

ScrollingText
by Sharon Zakhour, NeXT Developer Support Team
This example shows how to create a document window which contains
additional controls in the scroller bars.
Includes source code.

ScrollTiff
by Phillip C. Dibner, NeXT Developer Support Team
This MiniExample demonstrates how to load a TIFF file into a
ScrollView.
Includes source code.

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.

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.

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.

MiniExamples End

NeXTSTEPAdvantage
Listings from the book The NeXTSTEP Advantage
Includes source code.

NeXTWORLD Drag Lab
Version 4.0 by Greg Burd and Randy Nelson
Example about mouse dragging.
Includes source code.

NMK - NeXTSTEP Measurement Kit
by Alex Meyer
Measure and view data about how users interact with user interface
items.
Includes source code.

ObserveTester
by Adamation
Look at another field and copies it in real time.
Includes source code.

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.

OrderByTest
by Adam Hertz/William Shipley
In order to run this example, you need to have an ORACLE server with
a demo database installed.
Includes source code.

Palettes

Calendar
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
 * Incompatible with NeXTSTEP 3.1

   CircularSliderPalette
Includes source code
   * Incompatible with NeXTSTEP 3.1

   Clocks
   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).
This one works great!
Includes source code

ColorBrowser
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
 * Incompatible with NeXTSTEP 3.1

ConnectDemo
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. This one works great!
Includes source code

JoyStick
by Ian Stephenson
A simple Joystick object, written to try out writing an IB pallete.
Simply drag it into your application, and add JoyStick.[hm] to the project.
Includes source code
 * Incompatible with NeXTSTEP 3.1

KeyDownBrowser

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.
This one works great!
Includes source code

MailComposer (palette)
Verison 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.
This one works great!
Includes source code

Object Palette
by Charlie
This is 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.
This one works great!
Includes source code

PAScrollViewDeluxe
By Jeff Martin
This object is an enhanced subclass of ScrollView.
This one works great!
Includes source code

PAStringList
by Jeff Martin
The PAStringList (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

PAThumbWheelPallette

This is a palette that implements a thumbwheel like the ones on radios etc...
This one works great!
Includes source code

RotationSliderPalette
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.
This one works great!
Includes source code

Palettes End

PersonalPreferences
by Greg Burd
   This is an example of how you can create a dynamically loaded

preference into Preferences.app.
Includes source code

Plotter
This directory contains Plotter and the source files used to create it.
Plotter is a demonstration application that's discussed in ªThe
NeXTstep Advantage: Application Development with NeXTstepº
Includes source code

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

Project_3
Project Three: The One-Button Calculator
Found on page A-39 in the NeXT Development Tools.
Includes source code

PSviewExample
by Eric "E.T." Tremblay
This is a simple example of how to do PostScript in a view.
Includes source code

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

Random
Version 1.1 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

RemoteCompose
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

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

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

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 resizability (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

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

Sizer
How to resize a view.
Includes source code

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

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

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.

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

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, Laurn 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

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

WhatButton
by Eric "E.T." Tremblay
Almost everything you want to know about Radio Buttons.
Includes source code.

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

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

XView
by Karl Kraft.
Part of the "tour of Appkit" Collection. How to resize a view.
Includes source code.