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/* Jumpy.c - Execute me to compile me with Lattice 5.10a
LC -b1 -cfistq -v -y -j73 Jumpy.c
Blink FROM LIB:c.o,Jumpy.o TO Jumpy LIBRARY LIB:LC.lib,LIB:Amiga.lib
quit
*/
#include <intuition/intuition.h>
#include <intuition/screens.h>
#include <graphics/text.h>
#include <libraries/gadtools.h>

#ifndef LATTICE
#include <string.h>
#include <clib/alib_protos.h>
#include <clib/exec_protos.h>
#include <clib/intuition_protos.h>
#include <clib/gadtools_protos.h>
#include <clib/graphics_protos.h>
/* disable SAS/C CTRL-C handing */
int CXBRK(void)
{
    return (0);
}
int chkabort(void)
{
    return (0);
}

#endif

struct IntuitionBase *IntuitionBase;
struct GfxBase *GfxBase;
struct Library *GadToolsBase;
struct Library *IconBase;
struct Library *CxBase;

LONG main(LONG, UBYTE **);
LONG main(LONG argc, UBYTE ** argv)
{
    struct Window      *window;
    struct IntuiMessage *imsg;
    struct Gadget       *gadgetcontext;
    struct Gadget      *gadget, *nextscreensgadget;
    struct NewGadget   ng;
    struct TextExtent  textextent;
    WORD               left, top;
    void              *visualinfo;
    BYTE               *startupname;
    BYTE               namebuffer[MAXPUBSCREENNAME];
    BYTE               **tooltypes;
    BOOL              ABORT = FALSE;

    if (IntuitionBase = OpenLibrary("intuition.library", 37))
    {
        /* Open GfxBase to use TextExtent() so we can handle proportional fonts */
        if (GfxBase = OpenLibrary("graphics.library", 37))
        {
            if (GadToolsBase = OpenLibrary("gadtools.library", 37))

                /*
                 * Open commodities & icon.library so we can use ArgArray
                 * functions
                */
            if (CxBase = OpenLibrary("commodities.library", 37))
            {
                if (IconBase = OpenLibrary("icon.library", 37))
                {
                    left = 50;
                    top = 50;           /* Initial offset */
                    /* Note that these are functions in amiga.lib */
                    if (tooltypes = ArgArrayInit(argc, argv))
                    {
                        startupname =
                            ArgString(tooltypes, "PUBSCREEN", "Workbench");

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strcpy(namebuffer, startupname);
ArgArrayDone();
}
else
strcpy(namebuffer, "Workbench");
do
{
    /* open a window with tags */
    /* no NewWindow structure, tags only */
    if (window = OpenWindowTags(NULL,
                                /* Open at far left corner */
                                WA_Left, left,
                                WA_Top, top,
                                WA_Width, 150,
                                WA_Height, 80,
                                WA_Title, (LONG) "jumpy",
                                WA_PubScreenName, (LONG) namebuffer,
                                /* if no pubscreen with this name exists... */
                                WA_PubScreenFallBack, TRUE,
                                /* ... fall back on default pubscreen */
                                WA_Flags, WFLG_DRAGBAR | WFLG_DEPTHGADGET |
                                WFLG_CLOSEGADGET | WFLG_ACTIVATE |
                                WFLG_SMART_REFRESH | WFLG_NOCAREREFRESH,
                                WA_IDCMP, IDCMP_CLOSEWINDOW | IDCMP_GADGETUP,
                                TAG_DONE))
    {
        /*
         * Get the visual info gadtools needs for the
         * screen we opened on
        */
        if (visualinfo = GetVisualInfoA(window->WScreen, NULL))
        {
            /*
             * Create a simple gadtools button and sort
             * of lay it out. Note this doesn't do any
             * checking for legal (window) dimensions.
            */
            if (gadget = CreateContext(&gadgetcontext))
            {
                /*
                 * Use TextExtent to handle
                 * proportional fonts
                */
                TextExtent(&(window->WScreen->RastPort),
                           "Jump", 4, &textextent);
                ng.ng_Width = textextent.te_Width + 8;
                ng.ng_LeftEdge = (window->Width / 2) -
                                (ng.ng_Width / 2);
                ng.ng_Height = textextent.te_Height + 4;
                ng.ng_TopEdge = (
                    (window->Height - window->BorderTop -
                     window->BorderBottom) / 2) +
                    (ng.ng_Height / 2);
                ng.ng_TextAttr = window->WScreen->Font;
                ng.ng_GadgetText = "Jump";
                ng.ng_VisualInfo = visualinfo;
                ng.ng_GadgetID = 1;
                ng.ng_Flags = PLACETEXT_IN;
                nextscreensgadget = gadget =
                    CreateGadget(BUTTON_KIND, gadget, &ng,
                                 TAG_END);
                AddGList(window, gadget, -1, -1, NULL);
                RefreshGList(gadget, window, NULL, -1);
                GT_RefreshWindow(window, NULL);

                WaitPort(window->UserPort);
                while (imsg = (struct IntuiMessage *)
                       GetMsg(window->UserPort))
                {
                    if (imsg->Class == IDCMP_CLOSEWINDOW)
                        ABORT = TRUE;
                    else if (imsg->Class == IDCMP_GADGETUP)
                        NextPubScreen(window->WScreen,
                                      namebuffer);

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        ReplyMsg((struct Message *) imsg);
    }
    RemoveGadget(window, nextscreensgadget);
    FreeGadgets(gadgetcontext);
}
FreeVisualInfo(visualinfo);
}
left = window->leftEdge;
top = window->TopEdge;
CloseWindow(window);
}
} while (ABORT == FALSE);
CloseLibrary(IconBase);
}
CloseLibrary(CxBase);
}
CloseLibrary(GadToolsBase);
}
CloseLibrary(GfxBase);
}
CloseLibrary(IntuitionBase);
}
return (0);
}

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        /* And just wait for windowclose */
        WaitPort(window->UserPort);
        /* clear the message port */
        while (msg = GetMsg(window->UserPort))
            ReplyMsg(msg);

        CloseWindow(window);
    }
    UnlockPubScreen(NULL, wbscreen);
}
CloseLibrary(IntuitionBase);
}

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/*
 * Hide.h
 */

/* Image II Data Structures */

typedef struct _ImageIIData {
    WORD chip;
    WORD plane;
    WORD x, y, width, height, depth;
    WORD planePick, planeOnOff;
    WORD nextImage;
    WORD data[1024];
} IMAGEIIDATA;

/* Image II Structure */

typedef struct _ImageII {
    IMAGEIIDATA *imageIIData;
    WORD cornerX, cornerY;
} IMAGEIIL;

/* Image II2 Data Structures */

typedef struct _ImageII2Data {
    WORD chip;
    WORD plane;
    WORD x, y, width, height, depth;
    WORD planePick, planeOnOff;
    WORD nextImage;
    WORD data[1024];
} IMAGEI2IDATA;

/* Image II2 Structure */

typedef struct _ImageII2 {
    IMAGEI2IDATA *imageII2Data;
    WORD cornerX, cornerY;
} IMAGEI2L;

/* Disk Object Structure */

typedef struct _DiskObject {
    WORD gadgetType;
    WORD renderImage;
    WORD selectImage;
    WORD gadgetText;
    WORD mutualExclude;
    WORD specialInfo;
    WORD gadgetID;
    WORD userData;
    WORD iconType;
} DISKOBJECT;

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NULL, /* Default Tool */
NULL, /* Tool Type Array */
NO_ICON_POSITION, /* Current X */
NO_ICON_POSITION, /* Current Y */
NULL, /* Drawer Structure */
NULL, /* Tool Window */
0 /* Stack Size */

};

; /* Hide.c - Execute me to compile me with Lattice 5.10a
LC -b1 -cfstq -v -y -j73 Hide.c
Blink FROM LIB:c.o,Hide.o TO Hide LIBRARY LIB:LC.lib,LIB:Amiga.lib
quit
*/
#include <intuition/intuition.h>
#include <intuition/screens.h>
#include <graphics/text.h>
#include <libraries/gadtools.h>
#include <workbench/startup.h>
#include <workbench/workbench.h>
#include "hide.h"

#ifndef LATTICE
#include <clib/alib_protos.h>
#include <clib/exec_protos.h>
#include <clib/intuition_protos.h>
#include <clib/gadtools_protos.h>
#include <clib/graphics_protos.h>
#include <clib/wb_protos.h>

/* disable SAS/C CTRL-C handing */
int CXBRK(void)
{
    return (0);
}
int chkbabort(void)
{
    return (0);
}

#endif

struct IntuitionBase *IntuitionBase;
struct GfxBase *GfxBase;
struct WorkbenchBase *WorkbenchBase;
struct Library *GadToolsBase;

LONG main(void);

LONG main(void)
{
    struct Window *window;
    struct IntuiMessage *imsg;
    struct Gadget *gadgetcontext;
    struct Gadget *gadget, *hidiegadget;
    struct MsgPort *appport;
    struct NewGadget ng;
    struct TextExtent textextent;
    struct AppIcon *appicon = NULL;
    struct AppMessage *appmsg;
    ULONG left, top;
    void *visualinfo;
    BOOL signal, windowsignal, waitmask;
    BOOL ABORT = FALSE;
    BOOL CONTINUE, ICONIFY;

    if (IntuitionBase = OpenLibrary("intuition.library", 37))
    {
        /* Open GfxBase to use TextExtent() so we can handle proportional fonts */

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        if (signal & windowsignal)
        {
            while (imsg = (struct IntuiMessage *)
                GetMsg(window->UserPort))
            {
                if (imsg->Class ==
                    IDCMP_CLOSEWINDOW)
                {
                    ABORT = TRUE;
                    CONTINUE = FALSE;
                    ICONIFY = FALSE;
                }
                else
                    if (imsg->Class == IDCMP_GADGETUP)
                        ICONIFY = TRUE;
                    ReplyMsg((struct Message *) imsg);
                }
            if (signal & (1L << appport->mp_SigBit))
            {
                while (appmsg = (struct AppMessage *)
                    GetMsg(appport))
                {

                    /*
                     * If am->NumArgs is zero
                     * the user double-clicked
                     * on our icon, otherwise
                     * one or more icons were
                     * dropped on top of it.
                     */
                    if (appmsg->am_NumArgs == 0)
                    {
                        RemoveAppIcon(appicon);
                        CONTINUE = FALSE;
                    }
                    ReplyMsg(
                        (struct Message *) appmsg);
                }
            if (ICONIFY)
            {

                /*
                 * Add appicon, close window if
                 * successful
                 */
                appicon = AddAppIcon(1, NULL, "Hide",
                    appport, NULL, &AppIconDObj, NULL);
                if (appicon == NULL)
                {
                    DisplayBeep(window->WScreen);
                }
                else
                {
                    RemoveGadget(window, hidegadget);
                    left = window->LeftEdge;
                    top = window->TopEdge;
                    CloseWindow(window);
                    window = NULL;
                    /* there is no window
                     * message port anymore */
                    waitmask =
                        1L << appport->mp_SigBit;
                }
                ICONIFY = FALSE;
            } while (CONTINUE == TRUE);
            if (window)
                RemoveGadget(window, hidegadget);
            FreeGadgets(gadgetcontext);
        }
        FreeVisualInfo(visualinfo);
    }
}

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        if (window)
        {
            left = window->LeftEdge;
            top = window->TopEdge;
            CloseWindow(window);
        }
        } while (ABORT == FALSE);
        DeleteMsgPort(appport);
    }
    CloseLibrary(WorkbenchBase);
}
CloseLibrary(GadToolsBase);
}
CloseLibrary(GfxBase);
}
CloseLibrary(IntuitionBase);
}
return (0);
}

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