

GadToolsD

COLLABORATORS

	<i>TITLE :</i> GadToolsD		
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WRITTEN BY		November 24, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

GadToolsD

1.1 GadToolsD

Konstanten

arrowIDCMP	buttonIDCMP	buttonKind
checkboxIDCMP	checkboxKind	cycleIDCMP
cycleKind	gadtoolsName	genericKind
gtmenuInvalid	gtmenuNomem	gtmenuTrimmed
imItem	imSub	integerIDCMP
integerKind	interHeight	interWidth
itemDisabled	listviewIDCMP	listviewKind
menuDisabled	menuImage	mxIDCMP
mxKind	nmBarlabel	nmEnd
nmItem	nmSub	nmTitle
numKinds	numberIDCMP	numberKind
paletteIDCMP	paletteKind	scrollerIDCMP
scrollerKind	sliderIDCMP	sliderKind
stringIDCMP	stringKind	textIDCMP
textKind		

Typ-Deklarationen

GtTags	NewGadget	NewGadgetFlagSet
NewGadgetFlags	NewGadgetPtr	NewMenu
NewMenuPtr	StrPtr	

1.2 TMP:Modula-2/GadToolsD.def

```
DEFINITION MODULE GadToolsD; (*$ Implementation:=FALSE *)
(* 18-Apr-1992 *)
```

```
FROM SYSTEM IMPORT ADDRESS,BITSET,WORD,LONGSET,CAST;
```

```
FROM ExecD IMPORT Node ;
```

```
FROM GraphicsD IMPORT TextAttrPtr ;
```

```
FROM IntuitionD IMPORT
    IDCMPFlags , IDCMPFlagSet , MenuItemFlagSet ;

FROM UtilityD IMPORT  TagItemPtr ,tagUser;

IMPORT IntuitionD;

CONST
    gadtoolsName="gadtools.library";

TYPE
    StrPtr =ADDRESS;

CONST
    genericKind=0;
    buttonKind=1;
    checkboxKind=2;
    integerKind=3;
    listviewKind=4;
    mxKind=5;
    numberKind=6;
    cycleKind=7;
    paletteKind=8;
    scrollerKind=9;
    sliderKind=11;
    stringKind=12;
    textKind=13;

    numKinds=14;

    arrowIDCMP= IDCMPFlagSet {gadgetUp,gadgetDown,intuiTicks,mouseButtons};

    buttonIDCMP= IDCMPFlagSet {gadgetUp};
    checkboxIDCMP= IDCMPFlagSet {gadgetUp};
    integerIDCMP= IDCMPFlagSet {gadgetUp};
    listviewIDCMP= IDCMPFlagSet {gadgetUp,gadgetDown,mouseMove}+arrowIDCMP;

    mxIDCMP= IDCMPFlagSet {gadgetDown};
    numberIDCMP= IDCMPFlagSet {};
    cycleIDCMP= IDCMPFlagSet {gadgetUp};
    paletteIDCMP= IDCMPFlagSet {gadgetUp};

    scrollerIDCMP= IDCMPFlagSet {gadgetUp,gadgetDown,mouseMove};
    sliderIDCMP= IDCMPFlagSet {gadgetUp,gadgetDown,mouseMove};
    stringIDCMP= IDCMPFlagSet {gadgetUp};

    textIDCMP= IDCMPFlagSet {};

    interWidth=8;
    interHeight=4;

TYPE
    NewGadgetFlags =(
        placetextLeft,placetextRight,placetextAbove,placetextBelow,
        placetextIn,ngHighlabel,
        ng6,ng7,ng8,ng9,ng10,ng11,ng12,ng13,ng14,ng15,ng16
```

```

);
NewGadgetFlagSet =SET OF NewGadgetFlags ;

NewGadget =RECORD
leftEdge:INTEGER;
topEdge:INTEGER;
width:INTEGER;
height:INTEGER;
gadgetText:ADDRESS;
textAttr: TextAttrPtr ;
gadgetID:CARDINAL;
flags: NewGadgetFlagSet ;
visualInfo:ADDRESS;
userData:ADDRESS;
END;
NewGadgetPtr =POINTER TO NewGadget ;

CONST
nmTitle=1;
nmItem=2;
nmSub=3;
nmEnd=0;

TYPE
NewMenu =RECORD
type:SHORTCARD;
label: StrPtr ;
commKey: StrPtr ;
CASE :SHORTCARD OF
|nmTitle: menuFlags:BITSET;
|nmItem,nmSub: itemFlags: MenuItemFlagSet ;
END;
mutualExclude:LONGSET;
userData:ADDRESS;
END;
NewMenuPtr =POINTER TO NewMenu ;

CONST
menuImage=128;
imItem=nmItem+menuImage;
imSub=nmSub+menuImage;

nmBarlabel=CAST( StrPtr ,LONGINT(-1));

menuDisabled=IntuitionD.menuEnabled;
itemDisabled=IntuitionD.itemEnabled;

TYPE
GtTags =(gtTagBase:=tagUser + 080000H,
gtviNewWindow,
gtviNWTags,
gtPrivate0,
gtcbChecked,
gtlvTop,
gtlvLabels,
gtlvReadOnly,
gtlvScrollWidth,

```

```
gtmxLabels,  
gtmxActive,  
gttxText,  
gttxCopyText,  
gtmnNumber,  
gtcyLabels,  
gtcyActive,  
gtpaDepth,  
gtpaColor,  
gtpaColorOffset,  
gtpaIndicatorWidth,  
gtpaIndicatorHeight,  
gtscTop,  
gtscTotal,  
gtscVisible,  
gtscOverlap,  
gt25,gt26,gt27,gt28,gt29,gt30,gt31,gt32,gt33,gt34,gt35,gt36,gt37,  
gtslMin,  
gtslMax,  
gtslLevel,  
gtslMaxLevelLen,  
gtslLevelFormat,  
gtslLevelPlace,  
gtslDispFunc,  
gtstString,  
gtstMaxChars,  
gtinNumber,  
gtinMaxChars,  
gtmnTextAttr,  
gtmnFrontPen,  
gtbbRecessed,  
gtVisualInfo,  
gtlvShowSelected,  
gtlvSelected,  
(*37*)gtstEditHook,  
gtReserved1,  
gttxBorder,  
gtmnBorder,  
gtscArrows,  
gtmnMenu,  
gtmxSpacing,  
(*37*)gtmnFullMenu,  
(*37*)gtmnSecondaryError,  
(*37*)gtUnderscore  
);
```

CONST

```
(*37*)gtmenuTrimmed=1;  
(*37*)gtmenuInvalid=2;  
(*37*)gtmenuNomem=3;
```

END GadToolsD.noimp