

INDEX

Symbols

%CustomModuleDeclarations 24
%CustomModuleMapModule 24
%CustomModuleMapProcedure 24
%CustomModuleMapProcedurePrototype 24
&=NULL
 and GPF 176
*CSTRING
 see also CSTRING
*STRING
 see also STRING

A

ABC
 see also ager
 see also ABC, ThisWindow
 see also ss
 see also browse
 see also w
 see also ABC, WindowManager
Browse
 redisplaying record 54
 template 114
BrowseClass
 ApplyFilter, derived 48
 deriving 35, 43
 ResetFromAsk 54
 SetQueueRecord 48, 61
 overriding 51
BrowseClass.TakeNewSelection 61
FileDrop
 template 114–128
FileManager 35, 46, 59

ThisWindow
 Init 81
 Reset 223
WindowManager
 Init 15, 24, 25, 50, 60
 Kill 25
 TakeEvent 116
 TakeFieldEvent 115
 TakeWindowEvent 16
WindowManager.Kill 129
WindowManager.TakeFieldEvent 129
WindowManager.TakeWindowEvent 206
ABCs As External option 272
accelerator key 6
address
 blank lines 210
 handling 209, 215
 class 215
ANY
 GPF 175
API
 see Windows API
application
 splitting into DLLs 269
 version tracking 245
applications
 self-upgrading 243
B
BAND 203
BeginPaint 108
Bit Block Transfer 105
BitBlt 105
BitList control 71
bits, storing in LONG 71
blitting 105
BOR 208
BOX control 95

- browse
 - see also* ABC, BrowseClass
 - checkbox in 33, 43, 57
 - column resizing 20
 - filtering
 - using MATCH 229
 - header image 11
 - highlighting marked records 146
 - marking 141
 - sorting 11
 - tagging 148
 - saving in file 150
 - saving in queue 152
- BrowseClass
 - see* ABC, BrowseClass
- button
 - flat 6
 - menu 3–9
 - transparent 3, 6, 14
- BXOR 18
- C**
- callback event 200
- CallWindowProc 21, 202, 207
- cciAddressClass 216
- cciBrowseClass 37, 43
 - source code 44
- cciBrowseClassB 59
- checkbox
 - BitList 71
 - edit-in-place 27
 - transparent on browse 32
- CHOOSE 62, 64
- Cl\$NewMemZ 168
- Cl\$PushLong 166
- Cl\$REGULAR 236
- Clarion
 - and web access 253
- date
 - standard 133
- class
 - deriving in IDE 67
- CLEAR
 - and GPF 176
- color pool 89
- ColorDialog 89
- COM
 - creating object 294
 - documentation in MS Word 295, 301
 - object browser in MS Word 296
- command line arguments 255
- conditional compile 186
- console applications
 - creating with Clarion 256
- control
 - color pool 89
 - creating at runtime 6, 114–130
 - custom 110
 - handle 7
 - moving with mouse 117
 - positioning at runtime 31
- CREATE 6
- CreatebrushIndirect 106
- CreateCompatibleDC 104
- CreateEllipticRgn 78
- CreatePolygonRgn 83
- CreateRoundedRectRgn 83
- CreateSolidBrush 90
- cursor
 - eye dropper 98
 - wait 87
- D**
- data storage
 - saving boolean values in a LONG 71
- database

- via cable modem 58
- date
 - Clarion standard 133
 - converting from Excel 133
- DC
 - see* device context
- DDB
 - see* device dependent bitmap
- debugger
 - detecting 187
- debugging
 - creating log 185
 - DebugView 185
 - techniques 177
 - with MESSAGE 177, 185
 - with OutputDebugString 186
 - with PROP:Text 177
 - with STOP 177, 185
- DebugView 185
- DeleteObject 90, 105
- design
 - user interface 3
- device context 91, 103
 - drawing with 91
 - stock objects 92
- device dependent bitmap 102
- device independent bitmap 102
- DIB
 - see* device independent bitmap
- DLL
 - 32 bit dereference 274
 - adding to application 273
 - and easier distribution 270
 - and faster development 270
 - calling order 189
 - circular calls
 - detecting 189
 - creating 269
 - global 270

- memory allocation 171
- program 270
- splitting application into 269

dot syntax 182

E

- EditFileClass 67
- edit-in-place 27, 33, 57
 - checkbox 27
 - checkboxes 33, 57
 - file lookups 67
- editor
 - customizing colors 263
- EIP
 - see* edit-in-place
- embed point
 - creating 118
- EndPoint 108
- EVENT
 - Accepted 7, 8, 52, 64, 87, 97, 240
 - CloseWindow 97, 206
 - GainFocus 206
 - MouseMove 97
 - Moved 132
 - Sized 132
 - User 25
- Excel
 - dates 133
 - displaying DLL calling order with 190
 - spreadsheet 135
 - viewing data in browse 135
- EXECUTE 6, 8, 206
- export
 - from DLL 271–272, ??–276
- EXTERNAL
 - and multi-DLL applications 271
- EXTRACT 126

F

FileDrop

see ABC, FileDrop

FileManager

see ABC, FileManager

G

Generate All File Declarations option 272

Generate Template Globals option 272

GetComputerName 247

GetCursorPos 90

GetDC 90, 104

GetDesktopWindow 104

GetDeviceCaps 91, 95

GETINI 224

GetPixel 90

GETPOSITION 6

GetStockObject 90

GetWindowRect 6, 7, 78, 91

GPF

ANY

main cause 176

when using TYPED QUEUE 122

with ANY 175

with QUEUE 175

GROUP

BEVEL attribute 7

BOXED attribute 7

passing parameters as 59

H

heap memory 157–174

allocating 167

uses 174

I

icon

window 197

image

aspect ratio 86

blend color 109

displaying 85

dither color 109

drawing on 101

erasing 108

invalidating 110

scaling 85

scrolling 107

smooth redraw 110

zoom 109

image on browse header

see browse, header image

ImgDispCl class 106

INIClass

see ABC, INIClass

INSTRING

vs MATCH 230

interface 116

InvalidateRect 11, 16, 25

InvalidateRectangle 107

IsDebuggerPresent 187

J

JOIN 58

JSRedirClass 278

L

Linked Server 135

creating 136

linker

and LIBs 192

duplicated symbol error 276

unresolved external error 275

unresolved for export error 275

listbox

- cloning 113
- column resizing 20
- header image 11
- marking 141
- sorting 11

LoadImage 198, 207

M

many-to-many relationships
see relationships, many-to-many

MAPI
MSDN information 294

MATCH 229
see also regular expressions

math
rounding 109

memory leak 48, 105, 157, 168, 173

menu
button 3–9
popup 3–9, 202

method
creating new in IDE 68
deriving, with template 121, 126

module
data 204
preventing repopulate 204
Windows API 91, 198

MoveWindow 110

MulDiv 109

Multibox class 115
template 117

N

NewControl class 115

O

OCX
web browser

using 239–241

OLE 240, 293–301
creating control 294
error messages 294
executing commands 294–301

Outlook

finding data in 301
importing contacts 294
reading from 293–297
storing appointment in 298
storing task in 298
writing to 297–301

OutputDebugString 186

OVER

attribute 95

P

PASCAL attribute 9, 80, 90, 202, 247

PHP

calling Clarion application 253
executing commands 260
writing scripts 258

phrase generator 289

POINT 94

pointer 168

dll function 171

heap 167

stack 158, 159

POPUP 6, 206

see menu, popup

Portable Executable File Format 171

POST 6, 7, 20, 97, 203, 206, 240

pragma

wgnu 179

primary key 36, 45, 123, 150

see also unique key

PROC attribute 82

ProcessManager

- see* ABC, ProcessManager
- project
 - 32 bit 80
 - defines 180
 - DLL 272
 - redirection 277–282
- Project Properties 18
- PROP
 - AcceptAll 116
 - AppInstance 199
 - At 129
 - Bevel 6
 - Boxed 6
 - ClientHandle 110
 - Create 294, 298
 - Deactivate 300
 - Fill 97
 - FontColor 227, 228
 - Handle 81, 103, 200
 - Height 132
 - Hide 206
 - Iconize 206
 - IconList 50, 63
 - Mark 141
 - NoHeight 87
 - NoWidth 87
 - Palette 96
 - Release 300
 - ReportException 294, 298
 - Scroll 6
 - Text 6, 32, 85, 96, 227
 - and debugging 177
 - Trn 32
 - Type 228
 - Use 228
 - VScrollPos 107
 - Width 132
 - WndProc 205
 - XPos 132
 - in reports 224
 - YPos 132
 - in reports 224
- PROPLIST
 - Icon 50
 - MouseDownField 18, 52, 64
 - MouseDownRow 52, 64
 - MouseDownZone 18
 - MouseUpField 52
 - MouseUpRow 52, 64
- PROPPRINT
 - Device 222, 224
- PUTINI 223, 224

Q

- QUEUE
 - GPF 175
 - TYPED 114

R

- random phrase generator 289
- RAW attribute 9, 80, 247
- RECT 5, 7, 12, 78, 94
- Rectangle 90
- redirection 277–282
- regular expressions
 - see also* MATCH
 - how to write 231
 - testing 234
- RelationManager
 - see* ABC, RelationManager
- relationships
 - many-to-many 33, 57
- ReleaseDC 90, 104
- report
 - filtering
 - using MATCH 229
 - position
 - adjusting 219

- saving 220
- user input 222
- reset fields 37, 58
- RTF control 285
- S**
- scrollbar 108
 - creating 109
- ScrollWindow 108
- ScrollWindowEX 108
- security
 - phrase generator 289
- SelectObject 90, 105
- self-upgrading applications 243
- SETPOSITION 6
- SetWindowPos 207
- SetWindowRgn 79
- Shell_NotifyIcon 199, 206, 207
- stack
 - frame 159
- stack memory 157–174
- static data
 - storage 169
- StretchBlt 109
- STRPOS 236
- subclassing 20, 107, 202
 - listbox 24
- system tray 197
 - add icon 201
 - event handling 202
 - icon in 199
 - minimizing application to 206
 - remove icon 201

- T**
- template
 - class definition 118

- control
 - writing 117
- data 118
- embed points 118
- initializing tokens 125
- language
 - #AT 118, 128
 - #ATSTART 118
 - #CALL 122, 128
 - #CONTROL 117, 121
 - #ENDAT 118
 - #EQUATE 122
 - #GROUP 118, 119
 - #INSERT 129
 - #PREPARE 117, 122, 124
 - #SET 119, 126
 - FORMAT 126
- list box
 - extracting format 126
- symbols 119
 - %ActiveTemplateInstance 129
 - %ActualDefaultBaseClassType 123
 - %AddModuleIncludeFile 128
 - %AtCustomGlobalDeclarations 124
 - %Atheight 126
 - %Atwidth 126
 - %ClassItem 122
 - %ClassLines 118, 123, 128
 - %ClassMethods 126
 - %ClassPrompts 124
 - %ConstructQueue 119, 129
 - %ConstructQueueType 128, 129
 - %DataSection 118, 125
 - %DefaultBaseClassType 122
 - %FileDropAfterWindowOpening 126
 - %FileDropAtStart 125
 - %FileDropMethodCodeSection 127
 - %FileDropObjectName 125, 126
 - %GatherObjects 118, 125
 - %GenerateClassDefinition 128
 - %GetNewControlManager 127, 129

- %LocalClassData 118, 128
- %LocalDataClasses 118
- %LocalProcedures 118, 128
- %MakeDeclr 119
- %Mbreif 125
- %MultiboxMethodCodeSection 118
- %MultiboxType 122
- %OOPHiddenPrompts 122
- %Primary 121
- %RangeLimit 126
- %SetOOPDefaults 122, 124
- %ValueConstruct 119

text

- color 227

ThisWindow

- see* ABC, ThisWindow

TYPE attribute 114

U

UNC path 250, 277

unique key 65, 149

UpdateWindow 108

upgrading applications 243

user event

- see*
- see* EVENT
- User

user interface

- design 3
- Quicken style 3

V

variables

- finding unused 179

VIEW

- creating 136
- generated 125

View

- importing 137

JOIN 58

view

- creating 135
- importing 135

virtual method

- calling parent 48
- using 106

W

web access

- with PHP 253

window

- changing Z order 207
- elliptical 77
- handle 103
- recording size 131
- repainting 11
- splash 79
- timer 13

WindowComponent

- see* ABC, WindowComponent

WindowManager

- Init 15, 24, 25
- Kill 25
- see* ABC, WindowManager
- TakeWindowEvent 16

WindowResize template 15

Windows API

- BeginPaint 108
- Bit Block Transfer 105
- BitBlt 105
- CallWindowProc 21, 202, 207
- CreatebrushIndirect 106
- CreateCompatibleDC 104
- CreateEllipticRgn 78
- CreateSolidBrush 90
- DeleteObject 90, 105
- device context 91, 103
- drawing with 91

- stock objects 92
- device dependent bitmap 102
- device independent bitmap 102
- EndPoint 108
- GetComputerName 247
- GetCursorPos 90
- GetDC 90, 104
- GetDesktopWindow 104
- GetDeviceCaps 91
- GetPixel 90
- GetStockObject 90
- GetWindowRect 6, 7, 78, 91
- InvalidateRect 11, 16, 25
- InvalidateRectangle 107
- IsDebuggerPresent 187
- LoadImage 198, 207
- MoveWindow 110
- MulDiv 109
- OutputDebugString 186
- POINT 94
- prototyping 8
- RECT 5, 7, 12, 78, 94
- Rectangle 90
- ReleaseDC 90, 104
- ScrollWindow 108
- ScrollWindowEX 108
- SelectObject 90, 105
- SetWindowPos 207
- SetWindowRgn 79
- Shell_NotifyIcon 199, 206, 207
- StretchBlt 109
- UpdateWindow 108
- WM_Hscroll message 107
- WM_Paint message 108
- WM_Vscroll message 107
- WNetGetUser 247
- WM_Hscroll message 107
- WM_Paint message 108
- WM_Vscroll message 107
- WNetGetUser 247

- word processor
 - writing 283
- writing templates
 - see* template

X

- Xitami 254

Z

- Z order
 - changing 207