

Collection Manager

Contents

About the Collection Manager	5-5
Collection Objects	5-5
Collection Items	5-8
Collection Attributes	5-9
Methods of Identifying Collection Items	5-11
Using the Collection Manager	5-12
Determining Whether the Collection Manager Is Available	5-13
Creating or Disposing of a Collection	5-14
Cloning or Copying a Collection	5-14
Changing the Default Attributes of a Collection	5-15
Adding Items to a Collection	5-17
Determining the Collection Index of an Item	5-19
Determining the Tag and ID of an Item	5-21
Determining the Size of an Item's Variable-Length Data	5-22
Getting and Setting the Attributes of an Item	5-24
Replacing Items in a Collection	5-28
Removing Items From a Collection	5-30
Retrieving the Variable-Length Data From an Item	5-33
Examining the Collection Tags of a Collection	5-35
Flattening and Unflattening a Collection	5-37
Reading Collections From and Writing Collections to Disk	5-41
Reading a Collection From a Collection Resource	5-44
Installing an Exception Procedure	5-45
Collection Manager Reference	5-48
Data Types	5-48
Collection Objects	5-48
Collection Tags	5-49
Optional Return Value Constants	5-49
Attributes Masks	5-49
Attribute Bit Numbers	5-50

Attribute Bit Masks	5-52
Functions	5-53
Creating and Disposing of Collection Objects	5-53
NewCollection	5-54
DisposeCollection	5-55
Cloning and Copying Collection Objects	5-55
CloneCollection	5-56
CountCollectionOwners	5-57
CopyCollection	5-57
Getting and Setting the Exception Procedure for a Collection	5-58
GetCollectionExceptionProc	5-58
SetCollectionExceptionProc	5-59
Getting and Setting the Default Attributes for a Collection	5-60
GetCollectionDefaultAttributes	5-60
SetCollectionDefaultAttributes	5-61
Adding and Replacing Items in a Collection	5-62
AddCollectionItem	5-62
ReplaceIndexedCollectionItem	5-63
Removing Items From a Collection	5-65
RemoveCollectionItem	5-65
RemoveIndexedCollectionItem	5-66
PurgeCollection	5-67
PurgeCollectionTag	5-68
EmptyCollection	5-68
Counting Items in a Collection	5-69
CountCollectionItems	5-69
CountTaggedCollectionItems	5-70
Retrieving the Variable-Length Data From an Item	5-70
GetCollectionItem	5-71
GetIndexedCollectionItem	5-72
GetTaggedCollectionItem	5-74
Getting Information About a Collection Item	5-76
GetCollectionItemInfo	5-76
GetIndexedCollectionItemInfo	5-78
GetTaggedCollectionItemInfo	5-80
Editing Item Attributes	5-82
SetCollectionItemInfo	5-82
SetIndexedCollectionItemInfo	5-84
Getting Information About Collection Tags	5-85
CollectionTagExists	5-85
CountCollectionTags	5-86
GetIndexedCollectionTag	5-87
Flattening and Unflattening a Collection	5-88
FlattenCollection	5-88
FlattenPartialCollection	5-89
UnflattenCollection	5-90
Working With Macintosh Memory Manager Handles	5-92

AddCollectionItemHdl	5-92
ReplaceIndexedCollectionItemHdl	5-93
GetCollectionItemHdl	5-94
GetIndexedCollectionItemHdl	5-96
FlattenCollectionToHdl	5-97
UnflattenCollectionFromHdl	5-98
Reading Collections From Resource Files	5-98
GetNewCollection	5-99
Application-Defined Functions	5-100
MyFlattenProc	5-100
MyExceptionProc	5-101
Resources	5-102
The Collection Resource	5-102
Summary of the Collection Manager	5-104
Data Types	5-104
Functions	5-106
Application-Defined Functions	5-110
Resources	5-110

