

# Defined Types

## DBExceptions

DECLARED IN dbkit/exceptions.h

SYNOPSIS typedef enum \_DBAccessErrors {  
    **DB\_UnimplementedException** = DB\_ERROR\_BASE,  
    **DB\_CoercionException**,  
    **DB\_FormatException**,  
    **DB\_CursorException**,  
    **DB\_CommitException**  
} **DBExceptions**;

DESCRIPTION Exceptions raised during a database access.

## DBFailureCode

DECLARED IN dbkit/enums.h

SYNOPSIS typedef enum {  
    **DB\_ReasonUnknown**,  
    **DB\_RecordBusy**,  
    **DB\_RecordStreamNotReady**,  
    **DB\_RecordHasChanged**,  
    **DB\_RecordLimitReached**,  
    **DB\_NoRecordKey**,  
    **DB\_RecordKeyNotUnique**,  
    **DB\_NoAdaptor**,  
    **DB\_AdaptorError**,  
    **DB\_TransactionError**  
} **DBFailureCode**;

DESCRIPTION Error codes returned by an adaptor.

## DBFailureResponse

DECLARED IN dbkit/enums.h

SYNOPSIS typedef enum {  
    **DB\_NotHandled**,  
    **DB\_Abort**,  
    **DB\_Continue**  
} **DBFailureResponse**;

<b>DESCRIPTION</b>	Possible returns from methods that respond to a failure notification.
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## DBImageStyle

**DECLARED IN** dbkit/DBImageView.h

<b>SYNOPSIS</b>	<pre> typedef enum {     DB_ImageNoFrame,     DB_ImagePhoto,     DB_ImageGrayBezel,     DB_ImageGroove } DBImageStyle; </pre>
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<b>DESCRIPTION</b>	Style of frame to surround an image.
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## DBRecordListRetrieveMode

DECLARED IN dbkit/enums.h

```

SYNOPSIS
typedef enum _DBRecordListMode
{
    DB_SynchronousStrategy,
    DB_BackgroundStrategy,
    DB_BackgroundNoBlockingStrategy,
} DBRecordListRetrieveMode;

```

<b>DESCRIPTION</b>	Access strategy used by a DBRecordList.
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## DBRecordRetrieveStatus

**DECLARED IN** `dbkit/enums.h`

```

SYNOPSIS
typedef enum
_DBRecordRetrievalStatus {
    DB_NotReady,
    DB_Ready,
    DB_FetchLimitReached,
    DB_FetchInProgress,
    DB_FetchCompleted
} DBRecordRetrieveStatus;

```

<b>DESCRIPTION</b>	Status of a DBRecordStream or a DBRecordList.
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## DBRetrieveOrder

**DECLARED IN** `dbkit/enums.h`

```
SYNOPSIS                                     typedef enum {
    DB_NoOrder,
    DB_AscendingOrder,
```

```
        DB_DescendingOrder
    } DBRetrieveOrder;
```

**DESCRIPTION**      Order in which retrieved records are sorted.

### DBSelectionMode

**DECLARED IN**      dbkit/DBTableView.h

```
SYNOPSIS                                                     typedef enum {
    DB_RADIOMODE,
    DB_LISTMODE,
    DB_NOSELECT
} DBSelectionMode
```

**DESCRIPTION**      Modes in which the user may select rows or columns in a DBTableView.

DB_RADIOMODE	Selecting a row or column deselects those previously selected.
DB_LISTMODE	Selecting a previously unselected row or column adds it to the selection already made; selecting a previously selected row or column deselects.
DB_NOSELECT	No selection is permitted.

## Symbolic Constants

### Error Code Base Value

**DECLARED IN**      dbkit/exceptions.h

```
SYNOPSIS                                                     DB_ERROR_BASE
```

**DESCRIPTION**      Constant added to Database Kit error codes.

### Format Types

**DECLARED IN**      dbkit/customType.h

SYNOPSIS	Name	Value
	DBFormat_EPS	"EPS"
	DBFormat_RTF	"RTF"
	DBFormat_TIFF	"TIFF"

**DESCRIPTION**      Type of the source image to be displayed or transferred.

No Index Indicator

DECLARED IN dbkit/enums.h

SYNOPSIS DB\_NoIndex

DESCRIPTION No selected position in an indexed array (such as DBTableView).

Null Values

DECLARED IN dbkit/DBValue.h

SYNOPSIS	Name	Value
DB_NullDouble		(NAN)
DB_NullFloat		(NAN)
DB_NullInt		((int)0x7ffffffe)

DESCRIPTION Null returns of appropriate type.

Record Limit Default

DECLARED IN dbkit/DBFetchGroup.h

SYNOPSIS DB\_DEFAULT\_RECORD\_LIMIT 1000

DESCRIPTION Maximum number of records that a DBFetchGroup will fetch unless explicitly set by the DBRecordList method **setRecordLimit:**.