Class Reference - ODBKit

Detailed Class Reference for the ODBCKit

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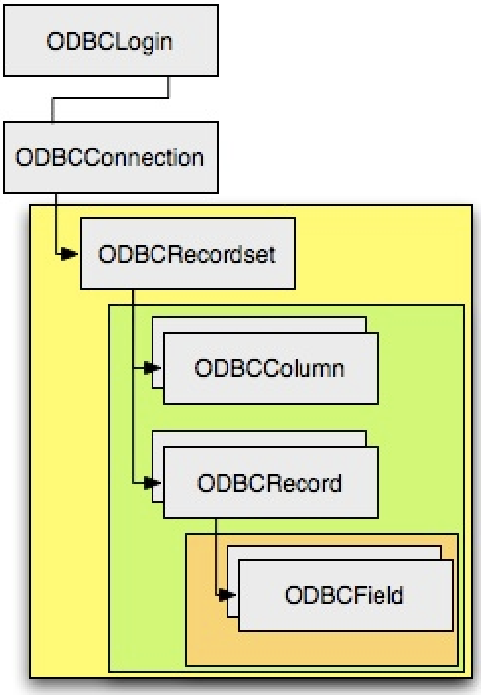
Providing an easy to use Objective C framework for ODBC Datasources

ODBCKit is intended to provide an easy to use framework for accessing ODBC Datasources. Written in Objective C, and provided to the community free of charge, the kit is designed to allow for a high level of functionality without the need to learn the ODBC API directly, and implement the C API from within the Cocoa environment.



ODBCCOLUMN

Methods:

```
-(id)initWithConnection:(void *)henv forDatabase:(void *)hdbc
withStatement:(void *)hstmt atIndex:(int)index;
```

Properties:

```
-(NSString *)name;
-(int)index;
-(int)type;
-(int)size;
-(int)offset;
```

Remarks:

The ODBCColumns are defined as part of a recordset, and should never be initialized independantly.

Related Classes:

ODBCRecordset, ODBCField

ODBCCONNECTION

Methods:

```
- (BOOL)connect;
- (long)execCommand:(NSString *)sql;
- (ODBCRecordset *)open:(NSString *)sql;
```

Properties:

```
- (NSArray *)datasources;
- (NSString *)driver;
- (ODBCRecordset *)tables;
- (BOOL)isEnvironmentValid;
- (BOOL)isConnected;
- (NSString *)dsn;
- (void)setDsn:(NSString *)value;
- (NSString *)userName;
- (void)setUserName:(NSString *)value;
- (NSString *)password;
- (void)setPassword:(NSString *)value;
```

Remarks:

The ODBCConnection is the root of ODBC data access. A single Connection can have multiple Recordsets open at a time, and may be reused. There is no need to close it and reopen it repeatedly, unless dictated by other needs. When not using ODBCLogin, it is necessary to set the DSN, UserName and Password properties prior to calling connect:.

The Tables recordset allows for a platform agnostic method of listing the tables provided by the connection. Datasouces will provide a list of possible Datasources, and is available prior to using the connect.

Related Classes:

ODBCRecordset, ODBCLogin

ODBCField

Methods:

```
-(id)initWithConnection:(void *)henv forDatabase:(void *)hdbc
withStatement:(void *)hstmt  forColumn:(ODBCColumn *)forColumn;
```

Properties:

```
-(NSString *)asString;
-(NSNumber *)asNumber;
-(long)asLong;
-(NSDate *)asDate;
```

Remarks:

The ODBCField represents the data contained in a single column of a a single row in a recordset. In order to make it easier to consume, it stores the data internally an NSData object, and will do the conversions to the the appropriate type (where possible) using the various 'as' properties.

Related Classes:

ODBCRecordset, ODBCField

ODBCRecord

Methods:

```
-(id)initWithConnection:(void *)henv forDatabase:(void *)hdbc
withStatement:(void *)hstmt columns:(NSArray *)columncache;
```

Properties:

```
-(ODBCField *)fieldByName:(NSString *)name;
```

Remarks:

The ODBCRecord represents a single row in a result recordset, and provides a simple lookup to get the field by it's name..

Related Classes:

ODBCRecordset, ODBCField

ODBCRecordset

Methods:

```
-(id)initWithConnection:(void *)henv forDatabase:(void *)hdbc
withStatement:(void *)hstmt atIndex:(int)index;
```

Properties:

```
-(NSString *)name;
-(int)index;
-(int)type;
-(int)size;
-(int)offset;
```

Remarks:

The ODBCColumns are defined as part of a recordset, and should never be initialized independantly.

Related Classes:

ODBCRecordset, ODBCField

ODBCLogin

Methods:

```
- (void)beginModalLoginForWindow:(NSWindow *)parent;
```

Properties:

```
- (BOOL)isConnected;
- (ODBCConnection *)connection;
```

Callbacks:

```
- (void)loginCompleted:(ODBCConnection *)connection;
```

Remarks:

The ODBCLogin is provided to generate a login window if the developer does not wish to provide the login information manually. Upon completion of the login, the ODBCLogin will attempt to call the selector loginCompleted upon the delegate of the NSWindow provided in the parent parameter of the beginModalLoginForWindow: call. If implemented, this will allow the application to respond to the login window to retain the connection it creates for the required lifetime.

Related Classes:

ODBCConnection