
NSFetchRequestExpression Class Reference

Data Management



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NSFetchRequestExpression Class Reference

Inherits from	NSExpression : NSObject
Conforms to	NSCoding (NSExpression) NSCopying (NSExpression) NSObject (NSObject)
Framework	/System/Library/Frameworks/CoreData.framework
Availability	Available in iOS 3.0 and later.
Declared in	NSFetchRequestExpression.h
Companion guides	Core Data Programming Guide Predicate Programming Guide

Overview

Instances of `NSFetchRequestExpression` represent expressions which evaluate to the result of executing a fetch request on a managed object context.

`NSFetchRequestExpression` inherits from `NSExpression`, which provides most of the basic behavior. The first argument must be an expression which evaluates to an `NSFetchRequest` object, and the second must be an expression which evaluates to an `NSManagedObjectContext` object. If you simply want the count for the request, the `countOnly` argument should be YES.

Tasks

Creating a Fetch Request Expression

+ [expressionForFetch:context:countOnly:](#) (page 6)

Returns an expression which will evaluate to the result of executing a fetch request on a context.

Examining a Fetch Request Expression

- [requestExpression](#) (page 7)

Returns the expression for the receiver's fetch request.

- [contextExpression](#) (page 6)
Returns the expression for the receiver's managed object context.
- [isCountOnlyRequest](#) (page 7)
Returns a Boolean value that indicates whether the receiver represents a count-only fetch request.

Class Methods

expressionForFetch:context:countOnly:

Returns an expression which will evaluate to the result of executing a fetch request on a context.

```
+ (NSExpression *)expressionForFetch:(NSExpression *)fetch context:(NSExpression *)context countOnly:(BOOL)countFlag
```

Parameters

fetch

An expression that evaluates to an instance of `NSFetchRequest`.

context

An expression that evaluates to an instance of `NSManagedObjectContext`.

countFlag

If YES, when the new expression is evaluated the managed object context (from *context*) will perform `countFetchRequest:error:` with the fetch request (from *fetch*). If NO, when the new expression is evaluated the managed object context will perform `executeFetchRequest:error:` with the fetch request.

Return Value

An expression which will evaluate to the result of executing a fetch request (from *fetch*) on a managed object context (from *context*).

Availability

Available in iOS 3.0 and later.

Declared In

`NSFetchRequestExpression.h`

Instance Methods

contextExpression

Returns the expression for the receiver's managed object context.

```
- (NSExpression *)contextExpression
```

Return Value

The expression for the receiver's managed object context. Evaluating the expression must return an `NSManagedObjectContext` object.

Availability

Available in iOS 3.0 and later.

Declared In

NSFetchRequestExpression.h

isCountOnlyRequest

Returns a Boolean value that indicates whether the receiver represents a count-only fetch request.

- (BOOL)isCountOnlyRequest

Return Value

YES if the receiver represents a count-only fetch request, otherwise NO.

Discussion

If this method returns NO, the managed object context (from the [contextExpression](#) (page 6)) will perform `executeFetchRequest:error::` with the [requestExpression](#) (page 7); if this method returns YES, the managed object context will perform `countForFetchRequest:error:` with the [requestExpression](#) (page 7).

Availability

Available in iOS 3.0 and later.

Declared In

NSFetchRequestExpression.h

requestExpression

Returns the expression for the receiver's fetch request.

- (NSExpression *)requestExpression

Return Value

The expression for the receiver's fetch request. Evaluating the expression must return an `NSFetchRequest` object.

Availability

Available in iOS 3.0 and later.

Declared In

NSFetchRequestExpression.h

Constants

Fetch request expression type

This constant specifies the fetch request expression type.

```
enum {  
    NSFetchRequestExpressionType = 50  
};
```

Constants

`NSFetchRequestExpressionType`
Specifies the fetch request expression type.

Available in iOS 3.0 and later.

Declared in `NSFetchRequestExpression.h`.

Declared In

`NSFetchRequestExpression.h`

Document Revision History

This table describes the changes to *NSFetchRequestExpression Class Reference*.

Date	Notes
2009-03-05	Updated for iOS 3.0.
2006-07-16	New document that describes the class used to represent a Core Data fetch request as an expression.

REVISION HISTORY

Document Revision History