NSFetchRequestExpression Class Reference

Cocoa > Data Management

2006-07-16

Apple Inc.
© 2006 Apple Computer, Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, Cocoa, Mac, and Mac OS are trademarks of Apple Inc., registered in the United States and other countries.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

NSFetchRequestExpression Class Reference 5

Overview 5
Tasks 5
  Creating a Fetch Request Expression 5
  Examining a Fetch Request Expression 5
Class Methods 6
  expressionForFetch:context:countOnly: 6
Instance Methods 6
  contextExpression 6
  isCountOnlyRequest 7
  requestExpression 7
Constants 7
  Fetch request expression type 7

Document Revision History 9

Index 11

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

NSFetchRequestExpression Class Reference

Inherits from	NSExpression : NSObject
Conforms to	NSCoding (NSExpression) NSCopying (NSExpression) NSObject (NSObject)
Framework	/System/Library/Frameworks/CoreData.framework
Availability	Available in Mac OS X v10.5 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.

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

- 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 `countForFetchRequest: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 Mac OS X v10.5 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.

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

Availability
Available in Mac OS X v10.5 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 Mac OS X v10.5 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 Mac OS X v10.5 and later.

Declared In
`NSFetchRequestExpression.h`

Constants

Fetch request expression type

This constant specifies the fetch request expression type.

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

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

Constants

`NSFetchRequestExpressionType`

Specifies the fetch request expression type.

Available in Mac OS X v10.5 and later.

Declared in `NSFetchRequestExpression.h`.

Declared In

`NSFetchRequestExpression.h`

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

Document Revision History

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

Date	Notes
2006-07-16	New document that describes the class used to represent a Core Data fetch request as an expression.

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

Document Revision History

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.

Index

C

`contextExpression` instance method 6

E

`expressionForFetch:context:countOnly:` class method 6

F

Fetch request expression type 7

I

`isCountOnlyRequest` instance method 7

N

`NSFetchRequestExpressionType` constant 8

R

`requestExpression` instance method 7

2006-07-16 | © 2006 Apple Computer, Inc. All Rights Reserved.