NSGlyphGenerator Class Reference

Cocoa > Text & Fonts



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Inherits from	NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.3 and later.
Declared in	NSGlyphGenerator.h
Companion guides	Text System Overview Text Layout Programming Guide for Cocoa

Overview

An NSGlyphGenerator object performs the initial, nominal glyph generation phase in the layout process.

The nominal glyph generation pass essentially generates one glyph per character; the typesetter may later make substitutions in the glyph stream, for example, changing an acute accent glyph followed by an "e" glyph into a single acute-accented "é" glyph.

NSGlyphGenerator communicates via the NSGlyphStorage protocol. An example of a class conforming to the protocol is NSLayoutManager.

Tasks

Obtaining a Glyph Generator

Generating Glyphs

generateGlyphsForGlyphStorage:desiredNumberOfCharacters:glyphIndex:characterIndex:(page 6)

Generates glyphs for the specified glyph storage object (NSLayoutManager by default).

Class Methods

sharedGlyphGenerator

Returns a shared instance of NSGlyphGenerator.

+ (id)sharedGlyphGenerator

Availability Available in Mac OS X v10.3 and later.

Declared In NSGlyphGenerator.h

Instance Methods

generateGlyphsForGlyphStorage:desiredNumberOfCharacters:glyphIndex: characterIndex:

Generates glyphs for the specified glyph storage object (NSLayoutManager by default).

- (void)generateGlyphsForGlyphStorage:(id < NSGlyphStorage >)glyphStorage desiredNumberOfCharacters:(NSUInteger)nChars glyphIndex:(NSUInteger *)glyphIndex characterIndex:(NSUInteger *)charIndex

Discussion

Generates glyphs for the glyph storage object specified by glyphStorage, beginning with the character at *charIndex* and continuing for *nChars* characters. The glyphIndex specifies the index of the first glyph generated.

Availability

Available in Mac OS X v10.3 and later.

Declared In

NSGlyphGenerator.h

Document Revision History

This table describes the changes to NSGlyphGenerator Class Reference.

Date	Notes
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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