
Event Kit UI Framework Reference

User Experience



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Introduction

Framework	/System/Library/Frameworks/EventKitUI.framework
Header file directories	EventKitUI.framework/Headers
Declared in	EKEventEditViewController.h EKEventViewController.h

The Event Kit UI framework provides the classes needed to create, edit, and display events using a view controller. It provides several configurable view controller classes.

Classes

EKEventEditViewController Class Reference

Inherits from	UINavigationController : UIViewController : UIResponder : NSObject
Conforms to	NSCoding (UIViewController) NSObject (NSObject)
Framework	/System/Library/Frameworks/EventKitUI.framework
Availability	Available in iOS 4.0 and later.
Declared in	EKEventEditViewController.h
Companion guide	Event Kit Programming Guide

Overview

An `EKEventEditViewController` object allows the user to create and edit a calendar event. You can use this class to create a new event or a partially constructed event. If the new event has no calendar, the default calendar is used. You should present this type of view controller modally.

Tasks

Setting and Getting Properties

[editViewDelegate](#) (page 10) *property*

The delegate that is notified when editing is done.

[event](#) (page 10) *property*

The event the user creates or edits using this view controller.

[eventStore](#) (page 10) *property*

The event store used to save the event.

Properties

For more about Objective-C properties, see “Properties” in *The Objective-C Programming Language*.

editViewDelegate

The delegate that is notified when editing is done.

```
@property(n nonatomic, assign) id<EKEventEditViewDelegate> editViewDelegate
```

Availability

Available in iOS 4.0 and later.

Declared In

EKEventEditViewController.h

event

The event the user creates or edits using this view controller.

```
@property(n nonatomic, retain) EKEvent *event
```

Discussion

If `nil`, a new event is created and added to the specified event store. New events are added to the default calendar. An exception is raised if set to an event that is not in the specified event store.

Availability

Available in iOS 4.0 and later.

See Also

[@property eventStore](#) (page 10)

Declared In

EKEventEditViewController.h

eventStore

The event store used to save the event.

```
@property(n nonatomic, retain) EKEventStore *eventStore
```

Discussion

This property must be set before displaying the view.

Availability

Available in iOS 4.0 and later.

See Also

[@property event](#) (page 10)

Declared In

EKEventEditViewController.h

EKEventViewController Class Reference

Inherits from	UIViewController : UIResponder : NSObject
Conforms to	UIActionSheetDelegate NSCoding (UIViewController) NSObject (NSObject)
Framework	/System/Library/Frameworks/EventKitUI.framework
Availability	Available in iOS 4.0 and later.
Declared in	EKEventViewController.h
Companion guide	Event Kit Programming Guide

Overview

An `EKEventViewController` object displays the details of a calendar event. You can set whether users are allowed to edit the event. If the event is an invitation, where the organizer is not the user, you can set whether a calendar preview is shown. If you add it to a navigation controller and the associated event object is deleted, the event view controller automatically removes itself from the navigation controller's stack and sets its `event` property to `nil`.

Tasks

Getting and Setting the Event

[event](#) (page 12) *property*

The event this view controller displays to the user.

Enabling Features

[allowsCalendarPreview](#) (page 12) *property*

A Boolean value that determines whether the user can view the event in a calendar day preview.

[allowsEditing](#) (page 12) *property*

A Boolean value that determines whether the user is allowed to edit the event.

Properties

For more about Objective-C properties, see “Properties” in *The Objective-C Programming Language*.

allowsCalendarPreview

A Boolean value that determines whether the user can view the event in a calendar day preview.

```
@property(n nonatomic) BOOL allowsCalendarPreview
```

Discussion

If the event is an invitation and this property is YES, then a table cell appears allowing the user to preview the event along with other events on the same day. If NO (the default), the calendar day preview does not appear. This property applies only to invitations.

Availability

Available in iOS 4.0 and later.

Declared In

EKEventViewController.h

allowsEditing

A Boolean value that determines whether the user is allowed to edit the event.

```
@property(n nonatomic) BOOL allowsEditing
```

Discussion

If NO (the default), the event is not editable. If YES, the Edit button appears and the user is allowed to change properties of the event. This property applies only to events in an editable calendar that were created by the user. For example, it doesn't apply to invitations sent by another user.

Availability

Available in iOS 4.0 and later.

Declared In

EKEventViewController.h

event

The event this view controller displays to the user.

```
@property(n nonatomic, retain) EKEvent *event
```

Discussion

This property must be set before the view is displayed.

Availability

Available in iOS 4.0 and later.

Declared In

EKEventViewController.h

Protocols

EKEventEditViewDelegate Protocol Reference

Conforms to	NSObject
Framework	/System/Library/Frameworks/EventKitUI.framework
Availability	Available in iOS 4.0 and later.
Declared in	EKEventEditViewController.h
Companion guide	Event Kit Programming Guide

Overview

Delegates of an `EKEventEditViewController` object conform to this protocol. Use an `EKEventEditViewController` object to allow the user to either create an event or edit an existing event. To be notified when the user finishes editing the event, set the delegate to an object conforming to this protocol.

Tasks

Finishing an Edit

- `eventEditViewController:didCompleteWithAction:` (page 17) *required method*
Invoked with the user is finished editing the event. (required)

Getting the Default Calendar

- `eventEditViewControllerDefaultCalendarForNewEvents:` (page 18) *required method*
Returns the calendar to use as the default calendar for new events. (required)

Instance Methods

eventEditViewController:didCompleteWithAction:

Invoked with the user is finished editing the event. (required)

```
- (void)eventEditViewController:(EKEventEditViewController *)controller
  didCompleteWithAction:(EKEventEditViewAction)action
```

Parameters*controller*

The edit view controller presenting the event.

action

The action the user took to end editing.

Discussion

You must implement this method to dismiss the event edit view controller that was presented modally.

Availability

Available in iOS 4.0 and later.

Declared In

EKEventEditViewController.h

eventEditViewControllerDefaultCalendarForNewEvents:

Returns the calendar to use as the default calendar for new events. (required)

```
- (EKCalendar
  *)eventEditViewControllerDefaultCalendarForNewEvents:(EKEventEditViewController
  *)controller
```

Parameters*controller*

The event edit view controller requesting the default calendar.

Discussion

If the delegate does not implement this method, the `defaultCalendarForNewEvents` property of the event store is used.

Availability

Available in iOS 4.0 and later.

Declared In

EKEventEditViewController.h

Constants

EKEventEditViewAction

Describes the action the user took to end editing.

```
typedef enum {  
    EKEventEditViewActionCanceled,  
    EKEventEditViewActionSaved,  
    EKEventEditViewActionDeleted  
} EKEventEditViewAction;
```

Constants

EKEventEditViewActionCanceled

The user canceled the changes made to the event.

Available in iOS 4.0 and later.

Declared in EKEventEditViewController.h.

EKEventEditViewActionSaved

The user saved the changes made to the event.

Available in iOS 4.0 and later.

Declared in EKEventEditViewController.h.

EKEventEditViewActionDeleted

The user deleted the event.

Available in iOS 4.0 and later.

Declared in EKEventEditViewController.h.

Document Revision History

This table describes the changes to *Event Kit UI Framework Reference*.

Date	Notes
2010-03-24	New document that describes the view controllers you use to display and edit events.

REVISION HISTORY

Document Revision History