HealthVault iOS Lib Sample Application

Class Index

Class Documentation

IntroViewController Class Reference

Screen contains user introduction text, should be shown before login screen.
```
#import <IntroViewController.h>
```

Public Member Functions

- (id) - initWithTarget:andContinueCallback:
  Initializes a new instance of the IntroViewController class.

- (IBAction) - continueAction
  Performs continue action.

Protected Attributes

- NSObject * _target
  Callback handler.

- SEL _continueCallBack
  Callback that will be called when the "Continue" button is pressed.

Detailed Description

Screen contains user introduction text, should be shown before login screen.

Member Function Documentation

- (id) initWithTarget: (NSObject *)*target* andContinueCallback: (SEL)*callBack*

Initializes a new instance of the [IntroViewController](#) class.

Parameters:

target	- the continue callback handler.
callBack	- the continue callback that will be called.

Returns:

    [IntroViewController](#) instance.

MainViewController Class Reference

Represents app Main screen. Contains info about person record.
```
#import <MainViewController.h>
```

Public Member Functions

- (IBAction) - [addWeightAction](#)
  Performs addition of new weight for current record.

- (IBAction) - [cancelAddingWeightAction](#)
  Performs canceling of new weight addition.

- (IBAction) - [deleteAllWeightsAction](#)
  Performs deleting all weights for current record.

- (IBAction) - [newAppAction](#)
  Performs application re-registration.

- (IBAction) - [recordsAction](#)
  Shows screens with records for current authenticated user.

- (void) - [updateNewWeightDateLabel](#)
  Updates label text according to current time.

- (void) - [authenticate](#)
  Performs HealthVault service authentication.

- (void) - [reConnectApp](#)
  Performs app re-connection.

- (void) - [showAlertWithMessage:](#)
  Shows standard alert with specified message.

- (void) - [showNewAppConfirmationAlert](#)
  Shows "New App" confimation alert.

- (void) - [showDeleteAllConfirmationAlert](#)
  Shows "Delete All" alert which prompts user to confirm his or her choice.

- (void) - [showTryAgainAlert:](#)
  Shows alert with "Try Again" button.

- (void) - [showWeightPickerView](#)
  Shows [Weight](#) picker view.

- (void) - [hideWeightPickerView](#)
  Hides [Weight](#) picker view.

Protected Attributes

- IBOutlet UIBarButtonItem * _newAppItem_
  Navigation bar buttons.
- UIAlertView * _newAppConfirmAlert_
  "New App" confirmation alert.
- IBOutlet UITableView * _recordInfoTableView_
  Record info table.
- IBOutlet UITableViewCell * _recordInfoCell_
  "Record Info" section.
- IBOutlet UITableViewCell * _saveWeightCell_
  "Save Weight" section.
- IBOutlet UITableViewCell * _deleteAllCell_
  "Delete All" section.
- UIAlertView * _deleteAllConfirmAlert_
  "Delete All" confirmation alert.
- NSMutableArray * _weights_
  Contains weights for current record.
- UIAlertView * _authAlert_
  Shown if error occurred in authentication process.

Detailed Description

Represents app Main screen. Contains info about person record.

Member Function Documentation

- (IBAction) addWeightAction

Performs addition of new weight for current record.

Performs adding new weight for current record.

- (IBAction) cancelAddingWeightAction

Performs canceling of new weight addition.

Performs canceling of new weight adding.

- (void) showAlertWithMessage: (NSString *)*message*

Shows standard alert with specified message.

Parameters:

message	- alert message.

- (void) showTryAgainAlert: (NSString *)*message*

Shows alert with "Try Again" button.

Parameters:

messsage	- alert message.
target	- callback methods owner.

RecordImage Class Reference

Represents HealthVault Record Image thing.
```
#import <RecordImage.h>
```

Static Public Member Functions

- (void) + loadRecordImage:callBack:
  Loads image(avatar) for current record.

- (RecordImage *) + parseImageFromXml:
  Parses xml and returns new RecordImage object.

Properties

- UIImage * image
  Gets or sets record image (avatar).

Detailed Description

Represents HealthVault Record Image thing.

Member Function Documentation

+ (void) loadRecordImage: (NSObject *)*target* callBack: (SEL)*callBack*

Loads image(avatar) for current record.

Parameters:

target	- callback method owner.
callBack	- callback which is invoked when operation is completed.
target	- callback method owner.
callBack	- callback which invoked when operation is completed.

+ (RecordImage *) parseImageFromXml: (NSString *)*xml*

Parses xml and returns new RecordImage object.

Parameters:

xml	- xml with image in Base64 string.

Returns:

RecordImage instance.

RecordsViewController Class Reference

Represents list of person records authorized for current application instance.
`#import <RecordsViewController.h>`

Public Member Functions

- (IBAction) - addRecordAction
  Performs adding new record.

Protected Attributes

- IBOutlet UITableView * _recordsTableView
  Table view to display records.
- NSMutableArray * _records
  Records array.
- BOOL _mustUpdateRecordsList
  Specifies whether we must update records list via request to the HealthVault platform.

Detailed Description

Represents list of person records authorized for current application instance.

WebVewController Class Reference

Allows user sign-in.
`#import <WebVewController.h>`

Public Member Functions

- (id) - initWithUrl:
  Initializes a new instance of the WebVewController class.

Protected Attributes

- IBOutlet UIWebView * _webView
  Displays login page.
- NSString * _urlAddress
  URL_address.

Detailed Description

Allows user sign-in.

Member Function Documentation

- (id) initWithUrl: (NSString *)*url*

Initializes a new instance of the WebVewController class.

- the URL to display on web view.

Returns:
WebVewController instance.

Weight Class Reference

Represents HealthVault Weight thing.
#import <Weight.h>

Static Public Member Functions

- (void) + putWeight:target:callBack:
  Puts new weight to HealthVault server for current record.
- (void) + deleteAllWeights:target:callBack:
  Deletes specified weights for current record.
- (void) + loadWeights:callBack:
  Loads all weights for current record.
- (NSArray *) + parseWeightsFromXml:
  Parses xml and returns array of Weight objects.
- (NSString *) + getWhenXmlForDate:
  Generates xml with date in HealthVault format.

Properties

- NSString * weightId
  Gets or sets weight Id (thing Id).
- NSDate * effDate
  Gets or sets eff-date.
- NSString * display
  Gets or sets weight display value.
- NSString * units
  Gets or sets weight units.
- NSString * versionStamp
  Gets or sets version stamp.

Detailed Description

Represents HealthVault Weight thing.

Member Function Documentation

+ (void) deleteAllWeights: (NSArray *)*weights* target: (NSObject *)*target* callBack: (SEL)*callBack*

Deletes specified weights for current record.

Parameters:

weights	- array of Weight which should be deleted.
target	- callback method owner.
callBack	- callback which invoked when operation is completed.

+ (NSString *) getWhenXmlForDate: (NSDate *)*date*

Generates xml with date in HealthVault format.

Parameters:

date	- specified date.

Returns:
xml with date in HealthVault format.

+ (void) loadWeights: (NSObject *)*target* callBack: (SEL)*callBack*

Loads all weights for current record.

Parameters:

target	- callback method owner.
callBack	- callback which is invoked when operation is completed.
target	- callback method owner.
callBack	- callback which invoked when operation is completed.

+ (NSArray *) parseWeightsFromXml: (NSString *)*xml*

Parses xml and returns array of Weight objects.

Parameters:

xml	- xml with weights.

Returns:
array of Weight instances.

+ (void) putWeight: (double)*pounds* target: (NSObject *)*target* callBack: (SEL)*callBack*

Puts new weight to HealthVault server for current record.

Puts new weight to HealtVault server for current record.

Parameters:

pounds	- pounds value.
target	- callback method owner.
callBack	- callback which invoked when operation is completed.

WeightPickerView Class Reference

Picker for selecting weight.
`#import <WeightPickerView.h>`

Public Member Functions

- (void) - show
  Shows picker with animation.
- (void) - hide
  Hides picker with animation.
- (void) - setValue:
  Sets picker's value.

Protected Attributes

- UITextField * _textField
  Displays current weight value.
- int _valueInPounds
  PÐ¾unds value.
- int _fractionalPartOfValue
  Fractional part of pound.
- BOOL _isShown
  Indicates that picker is shown.

Properties

- UITextField * textField
  Gets or sets textfield which accepts selected value from picker view.
- BOOL isShown
  Indicates that picker view is shown.

Detailed Description

Picker for selecting weight.

Member Function Documentation

- (void) setValue: (double)*value*

Sets picker's value.

Parameters:

value	- value of weight in pounds.

WeightTrackerAppDelegate Class Reference

Application delegate.
```
#import <WeightTrackerAppDelegate.h>
```

Public Member Functions

- (void) - startTrackingMemoryUsage
  Starts memory tracking one time in specified interval.

Static Public Member Functions

- (WeightTrackerAppDelegate *) + instance
  Returns instance of app delegate (ICanWeightAppDelegate instance).

- (HealthVaultService *) + healthVaultService
  Returns instance of HealthVault service.

- (void) + showProgressView
  Shows progress view.

- (void) + hideProgressView
  Hides progress view.

- (void) + showIntroScreenWithTarget:andContinueCallback:
  Shows Intro screen.

- (void) + showAlertWithError:target:
  Shows alert with error message.

- (void) + initHealthVault
  Initializes HealthValueService instance.

Properties

- UIWindow * window
  Gets application window.

- UINavigationController * navigationController
  Gets application navigation controller.

- UIView * progressView
  Gets application progress view.

Detailed Description

Application delegate.

Member Function Documentation

+ (HealthVaultService *) healthVaultService

Returns instance of HealthVault service.

Returns:
HealthVaultService instance.

+ (WeightTrackerAppDelegate *) instance

Returns instance of app delegate (ICanWeightAppDelegate instance).

Returns:
WeightTrackerAppDelegate instance.

+ (void) showAlertWithError: (NSString *)*errorMessage* target: (NSObject *)*target*

Shows alert with error message.

Parameters:

errorMessage	- error message text.
target	- callback methods owner.

+ (void) showIntroScreenWithTarget: (NSObject *)*target* andContinueCallback: (SEL)*callBack*

Shows Intro screen.

Parameters:

target	- callback method owner.
callBack	- callback will call when user presses "Continue" button on Intro screen.
target	- callback method owner.
callBack	- callback will call when user press "Continue" button on Intro screen.