Record360 iOS SDK integration

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Preparation

In order to utilize the SDK framework, an account with Record360 is required. Please contact sales@record360.com for details.

Integrating Record360

1. The Record360 SDK can be installed using CocoaPods. CocoaPods is a dependency manager that automates and simplifies the process of integrating 3rd-party libraries into your projects. If you do not have CocoaPods, please see CocoaPods for details on how to install it.

Create a Podfile in your Xcode project directory and add the following lines to it:

```
platform :ios, '8.0'
use_frameworks!

pod 'Record360SDK', '~> 0.9'
```

From the command line execute 'pod install' to add the Record360SDK.

Note: If you want Drivers License verification functionality packed into the SDK, please contact us at sales@record360.com.

2. Designate a Record360Delegate that will handle transaction upload events. Note that the upload process is asynchronous, so the delegate will not be called immediately after the process completes.

```
@interface MyApplicationHandler : NSObject <Record360Delegate>
```

3. Create a Record360 object that will handle file uploads and provide information about upload progress events to a delegate. Pass in the delegate to handle the transaction upload events.

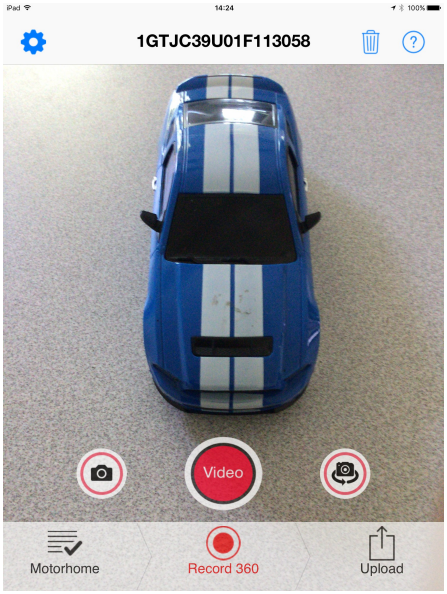
```
Record360* record360 = [[Record360 alloc] initWithDelegate:self];
```

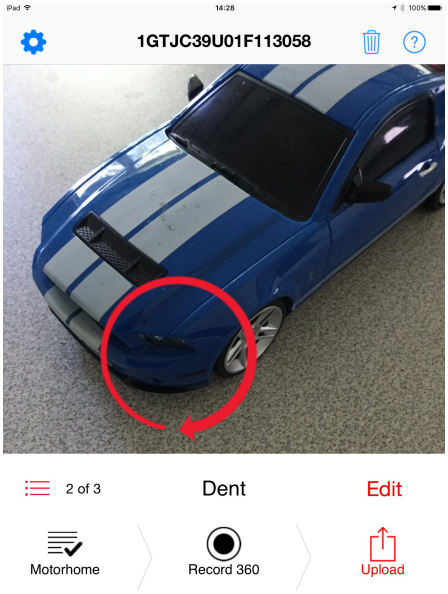
4. Create a Record360ViewController object. Pass in the login credentials, the already created record360 object, and a UIViewController to display the workflow process on. Then set the delegate of the record360ViewController object in order to respond to workflow events.

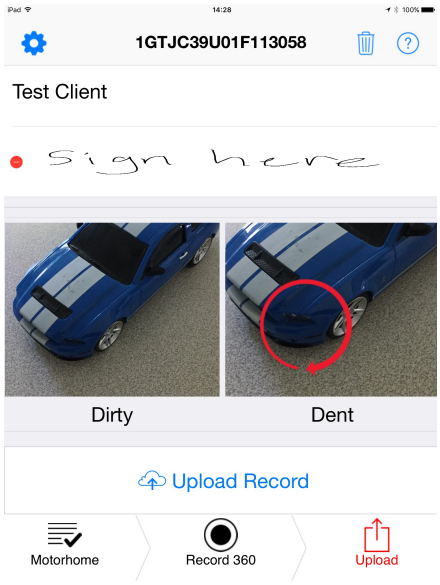
```
Record360ViewController *record360ViewController = [Record360ViewController
loadControllerWithUserName:@"testuser@record360.com" andPassword:@"P@ssword!"
sendTo:record360 displayOn:self]];

record360ViewController.delegate = self;
```

5. Proceed through the Record360 application flow







6. After the transaction has finished or is canceled by the user, one of the Record360ViewController delegate methods will be called.

```
- (void)onTransactionComplete;
- (void)onTransactionCanceled;
```

7. If the transaction is uploading, implement the callbacks as specified by the Record360Delegate protocol. When the Record360 object has finished uploading a transaction, one of the Record360Delegate methods will be called.

```
- (void)onTransactionUploadedForReferenceId:(NSString*)referenceId;
- (void)onTransactionUploadFailedForReferenceId:(NSString*)referenceId
withError:(NSError*)error;
- (void)onTransactionUploadDeletedForReferenceNumber:(NSString
*)referenceNumber;
```

Record360 Class

This object handles transaction uploads. If there are remaining transactions that haven't been processed, the instance you create will process them when online.

Use the init method below to create a Record360 class.

```
- (Record360 *)initWithDelegate:(id <Record360Delegate>)delegate;
```

Get/Set the property below for the upload mode. Options include online, offline or wifi-only. In wifi-only mode, the transactions will be uploaded when a wifi network is available.

```
@property (nonatomic, assign) UploadMode uploadMode;
```

The method below returns the number of transactions that are ready for upload. Transactions that are in the process of uploading will be included in this count.

```
- (NSUInteger)getTransactionsReadyForUploadCount;
```

Use the method below to manually start uploading transactions.

```
- (void)startUploading;
```

Use the method below to manually stop uploading transactions.

```
- (void)stopUploading;
```

Use the method below to show a progress dialog UI over the passed in UIViewController.

```
- (void)showProgressDialogOnViewController:(UIViewController
*)rootViewController onControllerClose:(void (^)())onClose;
```

Record360Delegate

Use these delegate methods to respond to various transaction upload events.

```
- (void)onTransactionUploadedForReferenceId:(NSString*)referenceId;
- (void)onTransactionUploadFailedForReferenceId:(NSString*)referenceId
withError:(NSError*)error;
- (void)onTransactionUploadDeletedForReferenceNumber:(NSString
*)referenceNumber;

@optional
- (void)onUploadBytesComplete:(long long)bytesComplete ofTotal:(long
long)bytesTotal forReferenceNumber:(NSString *)referenceNumber;
```

Record360ViewController Class

Use one of the below factory methods to create the Record360ViewController object that enters and displays the workflow. Use the first three to let the user specify their own reference number or the second three to insert a reference number for them. Use the factory methods starting with the signature loadControllerLoginAndSendTo to have the SDK display the login UI before entering the workflow. The Record360 object will upload the resulting transaction. The rootViewController will be used to show the view.

```
+ (Record360ViewController *)loadControllerLoginAndSendTo:(Record360
*)record360 displayOn:(UIViewController *)rootViewController showCancelButton:
(BOOL)showCancel;

+ (Record360ViewController *)loadControllerWithUserName:(NSString *)userName
andPassword:(NSString *)password sendTo:(Record360 *)record360 displayOn:
(UIViewController *)rootViewController;

+ (Record360ViewController *)loadControllerWithUserToken:(NSString *)userToken
andUserId:(NSString *)userId sendTo:(Record360 *)record360 displayOn:
(UIViewController *)rootViewController;

+ (Record360ViewController *)loadControllerLoginAndSendTo:(Record360
*)record360 withReferenceNumber:(NSString *)referenceNumber displayOn:
(UIViewController *)rootViewController showCancelButton:(BOOL)showCancel;

+ (Record360ViewController *)loadControllerWithUserToken:(NSString *)userToken
andUserId:(NSString *)userId andReferenceNumber:(NSString *)referenceNumber
sendTo:(Record360 *)record360 displayOn:(UIViewController *)rootViewController;

+ (Record360ViewController *)loadControllerWithUserName:(NSString *)userName
andPassword:(NSString *)password andReferenceNumber:(NSString *)referenceNumber
sendTo:(Record360 *)record360 displayOn:(UIViewController *)rootViewController;
```

Use one of the methods below to configure the Record360ViewController object to modify the workflow process. Some of these settings are preset, while others are customizable. See the Record360Setting section below for more details.

```
- (void)applySettings:(NSArray<Record360Setting *> *)settings;
- (void)applyDefaultSettings:(NSArray<Record360Setting *> *)settings;
```

Use the methods below to push custom field data into the workflow process. This data will populate the forms of the workflow as specified. The Example project also contains a few examples of supplying data to the forms.

```
- (NSArray *)getFieldData;
- (void)setFieldData:(NSArray *)dataToPopulate;
```

Sets whether to show the help screen on workflow entry. Defaults to false.

```
- (void)setShowOnboarding:(BOOL)showOnboarding;
```

Record360ViewControllerDelegate

Implement these delegate callbacks to hook into the workflow process.

```
- (void)onTransactionComplete;
- (void)onTransactionCanceled;

@optional

- (void)onReferenceNumberEntered:(NSString *)referenceNumber completion:(void
(^)(void))completion;
- (void)onSuccessfulAuthenticationWithToken:(NSString *)userToken andUserId:
(NSString *)userId;
- (void)onFailedAuthentication:(NSError *)error;
```

Record360Setting

Use one of the below init methods to create a Record360Setting that can be used to modify the workflow process. Use one of the Setting constants as the settingKey with the appropriate init method. The Example project contains various settings configurations.

```
- (instancetype)initSetting:(NSString *)settingKey;
- (instancetype)initSetting:(NSString *)settingKey label:(NSString *)label;
- (instancetype)initSetting:(NSString *)settingKey canDisplay:(BOOL)canDisplay;

- (instancetype)initSetting:(NSString *)settingKey label:(NSString *)label
canDisplay:(BOOL)canDisplay;
- (instancetype)initSetting:(NSString *)settingKey label:(NSString *)label
link:(NSString *)link;
- (instancetype)initSetting:(NSString *)settingKey label:(NSString *)label
recipient:(NSString *)recipient title:(NSString *)title;

- (instancetype)initOptionSetting:(NSString *)settingKey value:(NSString
*)value;
- (instancetype)initOptionSetting:(NSString *)settingKey canDisplay:
(BOOL)canDisplay value:(NSString *)value;

- (instancetype)initSwitchSetting:(NSString *)settingKey value:(BOOL)value;
- (instancetype)initSwitchSetting:(NSString *)settingKey canDisplay:
(BOOL)canDisplay value:(BOOL)value;
```

Here is a list of settings and their possible values.

```
// Setting
extern NSString * const SETTING_UPLOAD_MODE;
// Possible values
extern NSString * const UPLOAD_MODE_ONLINE;
extern NSString * const UPLOAD_MODE_WIFI_ONLY;
extern NSString * const UPLOAD_MODE_OFFLINE;

// Setting
extern NSString * const SETTING_RESOLUTION;
// Possible values
extern NSString * const RESOLUTION_MEDIUM;
extern NSString * const RESOLUTION_HIGH;
extern NSString * const RESOLUTION_VERY_HIGH;

// On/Off switch settings
extern NSString * const SETTING_NATIVE_PHOTO_MODE;
extern NSString * const SETTING_NOTATIONS_ON_IMAGES;
extern NSString * const SETTING_VIN_SCAN;
extern NSString * const SETTING_REMEMBER_LOGIN;

// Other settings
extern NSString * const SETTING_ACCOUNT;
extern NSString * const SETTING_LOGOUT;
extern NSString * const SETTING_VERSION;
extern NSString * const SETTING_SEND_SUPPORT_LOG;
extern NSString * const SETTING_RATE_RECORD360;
extern NSString * const SETTING_LINKS;
extern NSString * const SETTING_SEND_EMAIL;
```

Questions?
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Rest assured. We've got you covered.

RECORD 360™