Record360 iOS SDK integration

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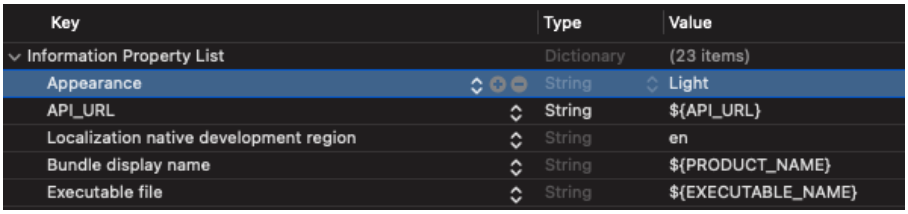
Preparation

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

This SDK is not compatible with dark mode. Please add the **Appearance** property to your info.plist file like this:



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, '12.0'
use_frameworks!

pod 'Record360SDK', '~> 4.9.5'
```

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 inspection 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 inspection upload events.

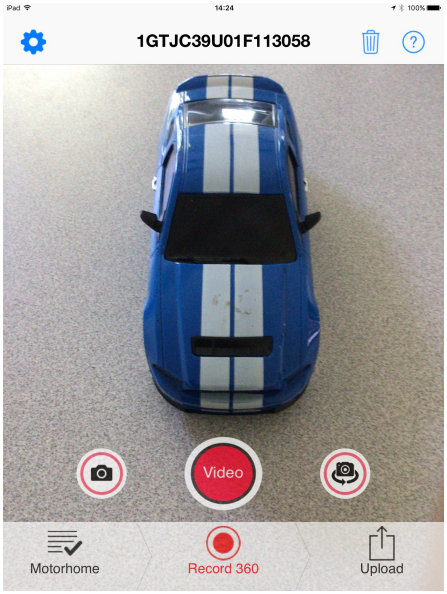
```
Record360* record360 = [[Record360 alloc] initWithDelegate:self];
```

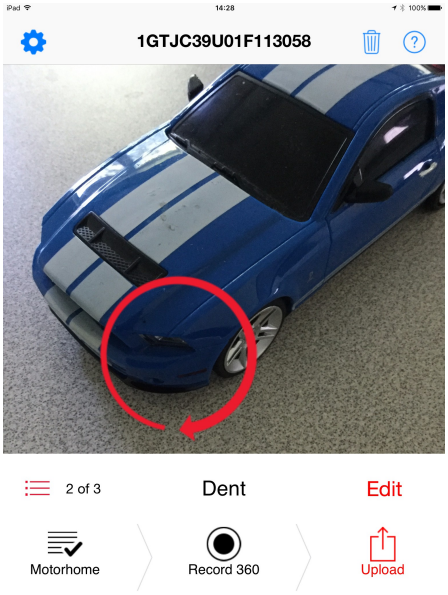
4. Create a Record360ViewController object. Pass in the login credentials, the already created record360 object, and a UIViewController to display the workflow process on. Then set the delegate of the record360ViewController object in order to respond to workflow events.

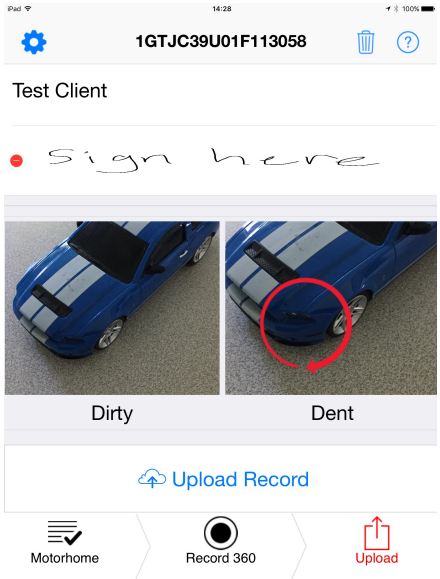
```
Record360ViewController *record360ViewController = [Record360ViewController
loadControllerWithUserName:@"testuser@record360.com" andPassword:@"P@ssword!"
sendTo:record360 displayOn:self]];

record360ViewController.delegate = self;
```

5. Proceed through the Record360 application flow


1GTJC39U01F113058
Video
Motorhome
Record 360
Upload


1GTJC39U01F113058
2 of 3
Dent
Edit
Motorhome
Record 360
Upload


1GTJC39U01F113058
Test Client
Sign here
Dirty
Dent
Upload Record
Motorhome
Record 360
Upload

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

```
- (void)onInspectionComplete;
- (void)onInspectionCanceled;
```

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

```
- (void)onInspectionUploadedForReferenceNumber:(nonnull NSString
*)referenceNumber;
- (void)onInspectionUploadFailedForReferenceNumber:(nonnull NSString
*)referenceNumber withError:(nonnull NSError *)error;
- (void)onInspectionUploadDeletedForReferenceNumber:(nonnull NSString
*)referenceNumber;
```

Record360 Class

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

Use the init method below to create a Record360 class.

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

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

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

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

```
- (NSUInteger)getInspectionsReadyForUploadCount;
```

Use the method below to manually start uploading inspections.

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

Use the method below to manually stop uploading inspections.

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

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

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

Record360Delegate

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

```
- (void)onInspectionUploadedForReferenceNumber:(nonnull NSString
*)referenceNumber;
- (void)onInspectionUploadFailedForReferenceNumber:(nonnull NSString
*)referenceNumber withError:(nonnull NSError *)error;
- (void)onInspectionUploadDeletedForReferenceNumber:(nonnull NSString
*)referenceNumber;

@optional
- (void)onUploadBytesComplete:(long long)bytesComplete ofTotal:(long
long)bytesTotal forReferenceNumber:(nonnull 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 inspection. The rootViewController will be used to show the view.

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

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

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

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

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

+ (nonnull Record360ViewController *)loadControllerWithUserToken:(nonnull
NSString *)userToken andUserId:(nonnull NSString *)userId andReferenceNumber:
(nonnull NSString *)referenceNumber sendTo:(nonnull Record360 *)record360
displayOn:(nonnull 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:(nonnull NSArray<Record360Setting *> *)settings;
- (void)applyDefaultSettings:(nonnull NSArray<Record360Setting *> *)settings;
```

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)onInspectionComplete;
- (void)onInspectionCanceled;

@optional

- (nonnull NSArray<Record360FieldData *> *)onReferenceNumberEntered:(nonnull
NSString *)referenceNumber fieldData:(nonnull NSArray<Record360FieldData *>
*)fieldData;
- (nonnull NSArray<Record360FieldData *> *)onContractFieldData:(nonnull
NSArray<Record360FieldData *> *)fieldData;
- (void)onSuccessfulAuthenticationWithToken:(nonnull NSString *)userToken
andUserId:(nonnull NSString *)userId;
- (void)onFailedAuthentication:(nonnull NSError *)error;
```

Use the delegate callback method 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.

```
- (nonnull NSArray<Record360FieldData *> *)onReferenceNumberEntered:(nonnull
NSString *)referenceNumber fieldData:(nonnull NSArray<Record360FieldData *>
*)fieldData;
```

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

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

- (instancetype)initSwitchSetting:(nonnull NSString *)settingKey value:
(BOOL)value;
- (instancetype)initSwitchSetting:(nonnull 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;
extern NSString * const SETTING_ADD_TIMESTAMP_TO_MEDIA;

// Other settings
extern NSString * const SETTING_ACCOUNT;
extern NSString * const SETTING_LOGOUT;
extern NSString * const SETTING_VERSION;
extern NSString * const SETTING_SHOW_INTRO_VIDEO;
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?
Alexis Valencia – alex@record360.com
Tobin Pomeroy –tpomeroy@record360.com
Visit us on the web at www.record360.com/business

Rest assured. We've got you covered.

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