# ucollect-ios

U-collect in-app payment SDK for iOS.

##Installation

Add the bintray repository to your build file in your root build.gradle at the end of repositories:

```gradle

allprojects {

repositories {

...

maven { url 'https://dl.bintray.com/itex/U-collect/' }

}

}

```

Add the dependencies

```gradle

dependencies {

compile 'com.iisysgroup.ucollectmobilelib:ucollect-android:1.1.0@aar'

compile 'com.android.support:cardview-v7:25.1.0'

}

```

##Usage

###Initialization

```java

Context context = getApplicationContext();

RequestManager requestManager = RequestManager.initialize(context,testMerchantId, testMerchantKey);

```

###Mode

To activate testing mode

```java

requestManager.workingMode = RequestManager.MODE.DEBUG; // For Test

```

###Building Transaction Request

To start a transaction, Implement ITransactionCallback

```java

TransactionCallback transactionCallback = new TransactionCallback() {

@Override

public void onTransactionError(Exception e) {

}

@Override

public void onTransactionComplete(TransactionResult transactionResult) {

}

@Override

public void onRequestOtpAuthorization() {

}

};

String date = new SimpleDateFormat(RequestManager.UCOLLECT\_DATE\_FORMAT).format(new Date());

requestManager.transactionDateTime = date;

//Customer Info

requestManager.customerLastName = "Test";

requestManager.customerFirstName = "Tester";

requestManager.customerEmail = "test@test.com";

requestManager.customerPhoneNumber = "08085555643";

//Payment Info

requestManager.countryCurrencyCode = "566";

requestManager.totalPurchaseAmount = 50000.0;

requestManager.numberOfItems = 5;

requestManager.purchaseDescription = "Buns Purchase";

requestManager.merchantGeneratedReferenceNumber = System.currentTimeMillis()+"";

//Card Info

requestManager.cardPan = getCardNumber().getText().toString().trim();

requestManager.cardCVV = getCardCvv().getText().toString().trim();

try {

requestManager.cardExpiryMonth = Integer.parseInt(getCardMonth().getText().toString().trim());// requestManager.cardExpiryMonth = 01;

requestManager.cardExpiryYear = Integer.parseInt(getCardYear().getText().toString().trim());// requestManager.cardExpiryYear = 2018;

} catch (NumberFormatException e) {

e.printStackTrace();

}

requestManager.cardHolderName = getCardHolderName().getText().toString().trim();

//Pin is optional - dependent on the card scheme

requestManager.cardPin = getCardPin().getText().toString().trim();

requestManager.startPaymentTransaction(transactionCallback);

```

###Authorizing Transactions

When a transaction needs to be authorized using OTP, implement the onRequestAuthorization, and call requestManager.authorizeTransaction(otp);

```java

…

@Override

public void onRequestOtpAuthorization() {

progressDialog.dismiss();

final EditText editText = new EditText(this);

editText.setLayoutParams(new LinearLayout.LayoutParams(LinearLayout.LayoutParams.MATCH\_PARENT,

LinearLayout.LayoutParams.MATCH\_PARENT));

editText.setPadding(16,16,16,16);

AlertDialog.Builder builder = new AlertDialog.Builder(this);

builder.setTitle("Enter OTP");

builder.setView(editText);

builder.setCancelable(false);

builder.setNegativeButton(android.R.string.cancel,null);

builder.setPositiveButton("Authorize", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

String otp = editText.getText().toString();

progressDialog.setMessage("Authorizing transaction");

progressDialog.show();

requestManager.authorizeTransaction(otp);

}

});

builder.show();

}

```

###Querying Transaction Status

To query the status of an on-going or already complete transaction

```java

String merchantGeneratedReferenceNumber = "14811308291201"; // Previous Transaction's Merchant Generated Reference Number

requestManager.queryTransactionStatus("14811308291201", resultCallback);

```