MOLPay

Buy Everywhere, Pay Anywhere

Mobile SDK Specifications for iOS
(Version 4.0.3)

Last updated September 25, 2014

MOLPay

Buy Everywhere, Pay Anywhere

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Prerequisite

Please provide the information below to verify merchant identity from MOLPay Server in order to use the payment channel:

- merchant ID
- verifykey
- appname
- username
- password

All the values above are in one word without whitespace.
The information should be request from MOLPay support team and the email address is **support@molpay.com**

System Requirements

- Ready for iOS 7 and above
- Minimum iOS version 6 and above. Older version support can be provided on request for custom make
- iOS based devices that support iOS version 4.3

MOLPay iOS Payment Library

This section explains details about the library API, and it explains the instructions and example to be follow to develop an iOS apps that using mobile payment channel.

3.1 How the Library Works

The flow of the library as below:

1. Library is in framework form, grab it first and put it in the app (sec 2.2)
2. Initiate the library.
3. Merchant app to pass buyer's information to the SDK library and will be sent to MOLPay server;
4. After payment is completed, MOLPay will return the result for transaction id and payment status;
5. MOLPay SDK will delegate the result back to application.

3.2 Adding the Library, Bundle & Importing Classes

- Drag and Drop MOLPayLibrary.framework and MOLPay.bundle to your workspace.
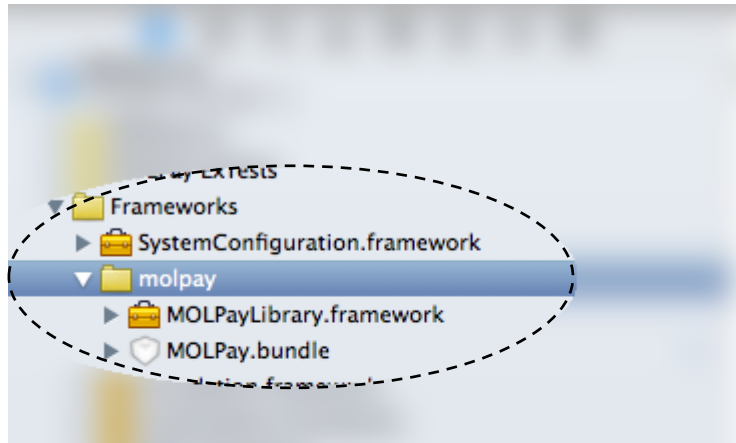
- Check the box "*Copy items into destination group's folder (if needed)*" then press, "*finish*" button on bottom right.

3
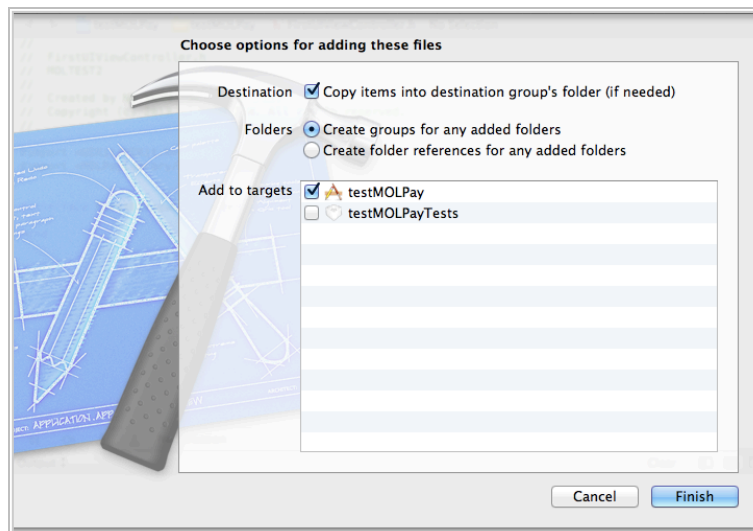
3.3   Coding & Calling Required Methods

3.3.1 Payment and Delegate Result

- Header file (.h file)
    - Import framework to your header file

```
#import <MOLPayLibrary/MOLPayLib.h>
```

- Method file (.m file)

    - Add delegate at header file

```
@interface MOLPayViewController ()<MOLPayDelegate>
```

    - Pass payment details

```
NSDictionary * paymentRequestDict =
@{
  mp_username: (Type: NSString),
  mp_password: (Type: NSString),

  mp_merchant_ID: (Type: NSString),
  mp_app_name: (Type: NSString),
  mp_verification_key: (Type: NSString),

  mp_order_ID: (Type: NSString),
  mp_amount:[NSString stringWithFormat:@"%.2f", (Type:CGFloat)],

  mp_currency: (Type: NSString),
  mp_country: (Type: NSString),
  mp_channel: (Type: NSString),

  mp_bill_name: (Type: NSString),
  mp_bill_email: (Type: NSString),
  mp_bill_mobile: (Type: NSString),
  mp_bill_description: (Type: NSString),

  mp_debug_mode:[NSNumber numberWithBool: (Type:BOOL)],
  mp_editing_enabled:[NSNumber numberWithBool: (Type:BOOL)]
};
```

*Note: For full list of channel value please refer last page of this document
**Note: For debug mode, please disable before release the app
**Note: Enable editing for name, email, mobile number & description.

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- Allocate class

```
MOLPayLib *molpay=[[MOLPayLib alloc] initWithTarget:self
andPaymentDetails:paymentRequestDict];
```

- Call function

```
[molpay loadMOLPaySDK];
```

- Delegate return result

```
#pragma mark – MOLPayLib Delegate
 –(void)paymentRequestSuccessWithPaymentDetails:(NSDictionary
*)paymentDetailsDict
{
    NSLog(@"paymentDetailsDict:%@",paymentDetailsDict);
}

 –(void)paymentRequestFailedWithErrorDescription:(NSDictionary
*)errorDescription
{
    NSLog(@"errorDescription:%@",errorDescription);
}
```

*Note: - Transaction_status = 00 (Success), 11 (Fail) & 22 (Pending).
      - 'paymentDetailsDict' will included txn_ID, paydate, amount,
status_code & msgtype.

Example of paymentDetailsDict:

```
{
    "txn_ID":"0123456",
    "paydate":1411370328,
    "amount":"100.00",
    "status_code":"22",
    "msgType":"C6"
}
```

Example of errorDescription:

```
{
    "error_desc": "User exit the payment page",
    "status": @"exit"
}
```

3.3.2 Request payment result

- Pass transaction details

```objc
NSDictionary * request = @{
                    mp_transaction_id: (Type: NSString),
                    mp_merchant_ID(Type: NSString),
                    mp_amount(Type: NSString),
                    mp_verification_key(Type: NSString)
                };

MOLPayLib * molpay = [[MOLPayLib alloc] initWithTarget:self
andPaymentDetails:nil];

[molpay requestPaymentResult: request];
```

- Result delegate

```objc
#pragma mark – MOLPayLib Request Payment Delegate
-(void)resultRequestSuccessWithPaymentDetails:(NSDictionary *)
paymentDetailsDict
{
    NSLog(@"Success:%@",paymentDetailsDict);
}

-(void)resultRequestFailedWithErrorDescription:(NSDictionary
*)paymentDetailsDict
{
    NSLog(@"Failed :%@",paymentDetailsDict);
}
```

MOLPay SDK Screenshots

Order details

List of Channels
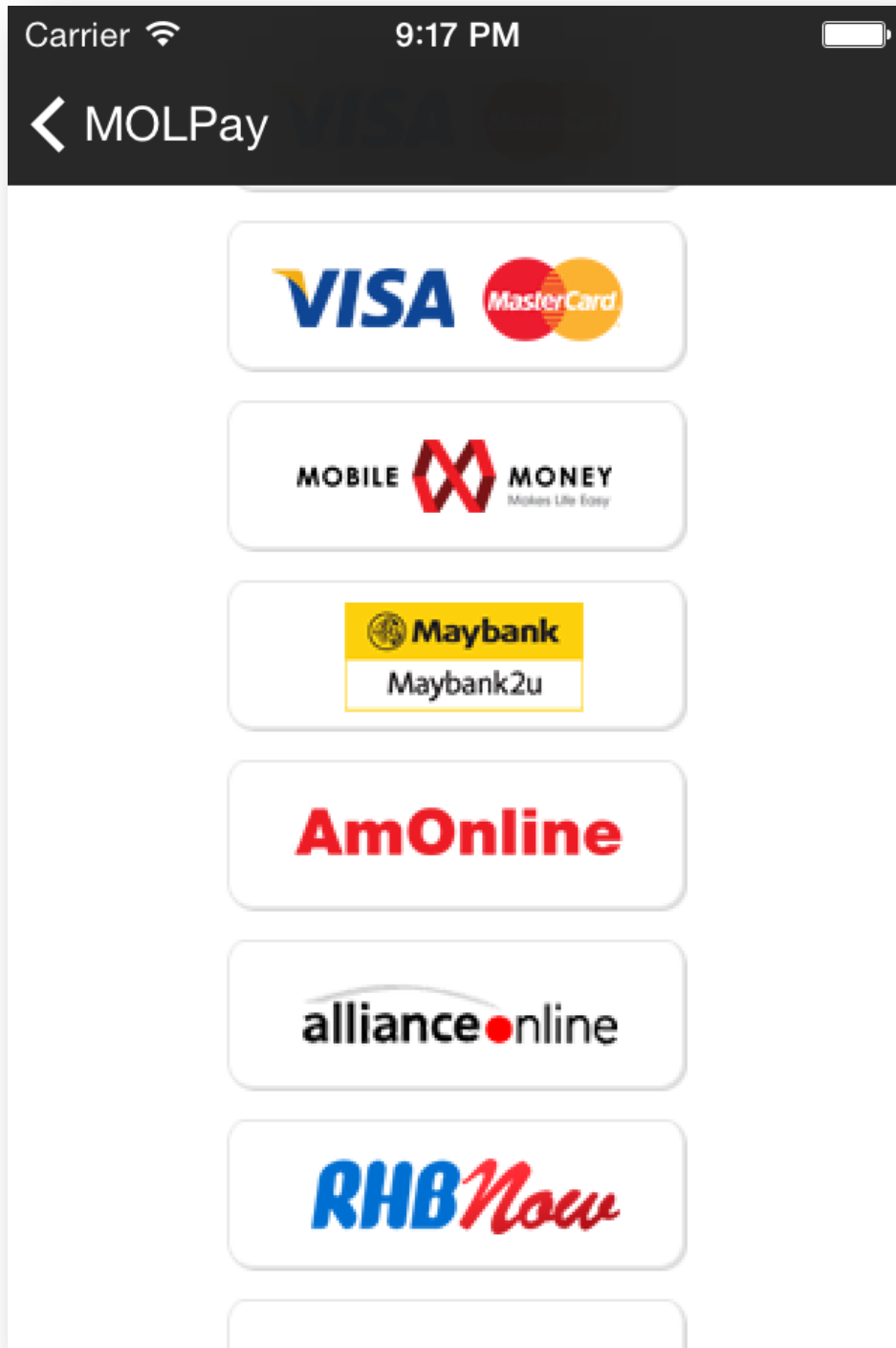
Credit / Debit card

Carrier 　　　　　9:18 PM

❮ Back

ORDER ID	247

MYR

2.00

4111111111111111　　VISA

•••	02 / 2016

MALAYSIA　　　　　❯

CIMB BANK BERHAD

Proceed

9

Payment Page

Carrier 🛜   9:19 PM

❮ Exit

CIMB BANK   **MasterCard. SecureCode.**

Secure ePay Code has been sent to your registered mobile phone number   . Please enter the Secure ePay Code to authenticate this payment.

Merchant Name   : Netbder Netbuilder

Amount   : MYR 2.00

Transaction Date   : Fri May 9 2014 21:19:03 GMT+0800

CIMB Bank MasterCard No.   : xxxx xxxx xxxx

SecureCode™ Secure ePay Code   :

Submit   Cancel

If you do not receive Secure ePay Code within the next few minutes, please click on "Resend Secure ePay Code" button for a new secure ePay Code.

Resend Secure ePay Code

This information is **not shared** with the Merchant.

Please contact our Customer Service Hotline at the back of your card for assistance.

List of Channels Code and Supported Currency Code

No	Channel Code	Channel Name	Currency Code
1.	credit	Visa / Mastercard	MYR
2.	mobilemoney	Mobile Money	MYR
3.	maybank2u	Maybank2u	MYR
4.	amb	AmOnline	MYR
5.	alb	Aliance Online	MYR
6.	rhb	RHB Now	MYR
7.	paymentasia	China Online Banking	MYR, RM, RMB and CNY
8.	webcash	WEBCASH	MYR
9.	paypal	PayPal	USD, AUD, GBP, CAD, CZK, DKK, EUR, HKD, HUF, ILS, JPY, MYR, MXN, NZD, NOK, PHP, PLN, SGD, SEK, CHF, TWD and THB
10.	alipay	Alipay	MYR, RM, USD, TWD and RMB
11.	hlb	Hong Leong Online	MYR
12.	cimb	CIMB Clicks	MYR
13.	fpx	MEPS FPX	MYR
14.	dragonpay	DragonPay	USD and PHP
15.	enetsD	eNets Debit	SGD
16.	polipayment	Poli Payment	MYR, RM and AUD
17.	tenpay	Tenpay	MYR, RM and USD
18.	fuiou	Fuiou	MYR, RM and USD
19.	cash	7-Eleven Cash Retail	MYR
20.	esapay	Esapay Cash Retail	MYR
21.	senheng	Senheng Cash Retail	MYR
22.	singpost	SingPost	SGD
23.	multi	List all channel	