Payment Gateway API Guidelines.

This document will help merchant to use M2U payment gateway plugin in JAVA.

**To use this API user need to follow steps below:**

1. User should integrate Paymentegateway.jar into project as dependency.
2. Create a reference variable to PGParams class and set values to following parameters.

* amount: The transaction amount.
* accountNumber: the unique account number of the user not SA number.
* payeeCode: merchant code.
* refNum: Reference number for the transaction.
* Callbackurl : Redirection URL after the payment success/failure.

*For example:*

PGParams params = **new** PGParams();

params.setAccountNumber("12345678");

params.setAmount(“10”);

params.setCallbackurl("http://<hostname>:<port>/appname/<name>.jsp");

params.setPayeeCode("ABC");

It will return valid encryptedString if given values are proper and valid otherwise it will return a value “**FAIL**”.

1. Pass the *PGParams* reference variable to a static method *getencryptedURL*  to get encrypted URL.

*For example:*

String encryptedString= PaymentGateway.getencryptedURL(params);

1. Step 2 is successful, then user will get valid encryptedString which can be passed to M2U as q value in step 4.
2. UI side, copy and include *Confirmation.jsp* to respective jsp files.

Here, user should change the action value based on environment.

URL for UAT:-

https://m2umobilesit.maybank.com.my/mbb/m2u/m9006\_enc/m2uMerchantLogin.do?

URL for Production:-

https://www.maybank2u.com.my/mbb/m2u/m9006\_enc/m2uMerchantLogin.do?

1. Step 4 user will pass the “q” value as encryptedString and “i” value is transaction type like **OT or DPE or OPR (Consult with Virtual Banking)**.
2. On clicking of button/link of Step 5, user will be getting a popup, with M2U login screen.
3. Repeat step 2, if you don’t get the M2U login screen.
4. On successful login/transaction in M2u, Callbackurl will be provided by M2U to handle transaction status.

Ex:

The sample of parameter passed from m2u to payee:

*http://localhost:1234/m2uPayPopupCallback?transDate=2016-09-16T18:10:36.195+08:00&status=00&transAmount=1000&referenceNo=ABC1234&payeeCode=ABC&approvalCode=&bankRefNo=1111133868&accountNo&corpName=XYZ&accountnumber=12345612*

1. Status value is

“00”- success.

“01”- Failure.

Amount without the decimal places. (Example RM1.25 = 125)

**IMPORTANT Payee must match the response values with the request values sent to Maybank2u, particularly for amount and bill account and/or reference number. Please note this is mandatory step to prevent data manipulation by dishonest buyer.**