Interface Specification

Nguyen Tieu Phuong 20210692

## Interface name

IVerify

## Interface description

This interface provides the verification functionality that help AIMS performs certain check before confirmation of transaction. The interface serves various functions related to data check provided by VNpay as well as inside AIMS database.

## Operations

#### checkDataIntegrity(vnp\_SecureHash): Boolean

/\*\*

Check for the integrity of the data returned by comparing the hash value given with the one expected.

@param **vnp\_SecureHash** the hash value given by VNPay

@return **Boolean** either True or False for the check

\*/

#### checkTransactionResult(vnp\_SecureHash, vnp\_TransactionNo, vnp\_BankCode, vnp\_Amount) : responseCode

/\*\*

After the data is parsed from the IPN URL, check the information of the transaction with the current recorded state in the software database.

@param **vnp\_SecureHash** the hash value given by VNPay

@param **vnp\_TransactionNo** number identification of the transaction

@param **vnp\_BankCode** the bank identifier

@param **vnp\_Amount** the amount of money transferred in the transaction

@return **responseCode** the response from the AIMS software that complies with VNPay error code table

\*/

#### confirmTransactionResult(responseCode:int, message: String)

/\*\*

Announce back to VNPay the transaction status saved in AIMS software.

@param **responseCode** the response from the AIMS software that complies with VNPay error code table

@param **message** the description coordinated to the response code

\*/

## Interface documentation