

Payment Gateway

API Integration Guide

Version 3.5



Version	Date	Author	Note
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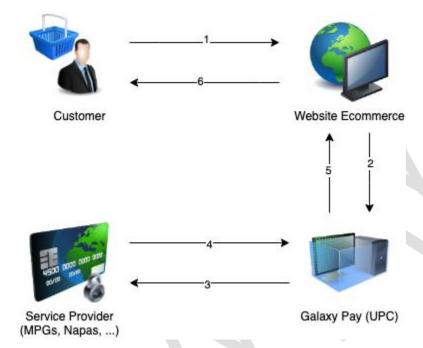
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1 Overview

1.1 Integration Flow



- 1. Customer makes a purchase on the E-commerce Website and makes an Online Payment for the Order
- 2. E-commerce website establishes a payment request to GALAXY PAY and redirects customers to GALAXY PAY Secure Page with endpoint URL.
- 3. GALAXY PAY processes Payment requests sent by e-commerce website. Customers proceed to enter the required information to make payment.
- 4. The customer enters information to verify the customer's account and authenticate the transaction.
- 5. Successful transaction at the Service Provider, GALAXY PAY proceed:
 - Redirect customers to e-commerce website (Result URL)
 - Notify the E-commerce website of the customer's payment results through the IPN URL.
 Merchant updates GALAXY PAY payment results sent at this URL.
- 6. Merchant displays transaction results to customers

1.2 Demo

Do	emo	Link
Live Demo		https://uat-merchant.galaxypay.vn
Source Demo	.NET	https://github.com/galaxypayvn/sample-upc-dotnet



1.3 Message Structure

- Service: REST API

- HTTP Method: POST

- Content Type: application/json

The request structure:

#	Component	Level	Param	Description
1		L1	APIKey	Key for authentication request. Provided by GALAXY PAY.
2	Request Header	L1	Signature	Request signature, created with SHA256 & Salt
3		L1	Accept	Accept encoding: application/json
4		L1	Content-Type	Request content type: application/json
5	Request Body	L1		Content of request

1.4 Integration Keys

Name	Value	Note
Endpoint for API Pay	https://uat-secure.galaxypay.vn/pay	Use for UAT only
Endpoint for API Pay With Options	https://uat-secure.galaxypay.vn/payWithOption	Use for UAT only
SHA 256 Salt	GALAXY PAY will provide detail when integration	Use for Signature/Checksum
API Key	GALAXY PAY will provide detail when integration	Use in Request authenticate



1.5 Response Code Table

Response Code	Description
200	Success
400	Bad Request due to missing required fields
401	Unauthorized (Invalid Merchant Key)
408	Request Expired
409	Duplicate Request
499	Cancel by User
504	Request Timeout

1.6 Signature Algorithm

- Apply hash algorithm **SHA256** with **Salt**.

Signature = SHA256(SignData + Salt)

Salt	GO@2021
JSON Data	{ "requestID": "14653fa1-2f69-4f4f-9d4b-240e1bebbdf3", "requestDateTime": 20220426083322, "requestData": { "orderID": "2a43e4b9-c5df-49e6-8b18-42af9bcd150e", "orderNumber": 205249008064, "orderAmount": 100000, "orderCurrency": "VND", "orderDateTime": 20220426083322, "orderDescription": "DEMO TRANSACTION", "cardType": "atm", "bank": "970437", "otp": "on", "request": "purchase", "token": "", "language": "vi" } }
Sign Data (JSON String)	{"requestID":"14653fa1-2f69-4f4f-9d4b-240e1bebbdf3","requestDateTime":20220426083322,"requestData":{"orderID":"2a43e4b9-c5df-49e6-8b18-42af9bcd150e","orderNumber":205249008064,"orderAmount":100000,"orderCurrency":"VND","orderDateTime":20220426083322,"orderDescription":"DEMO TRANSACTION","cardType":"atm","bank":"970437","otp":"on","request":"purchase","token":"","language":"vi"}}
Signature	ca1421b4227600b2ef1803d9401625a36e8e37fe8ef285268ce02192a954d7e9



1.7 Currencies Table

Currency	Code
Vietnam Dong	VND
US Dollar	USD
Thai Baht	ТНВ
Japanese Yen	JPY
India Rupee	INR
Taiwan Dollar	TWD
Ringit Malaysia	MYR
Singapore Dolar	SGD
South Korean Won	KRW
Riel Cambodia	KHR
Kyat Myanmar	ММК
Indonesia Rupiah	IDR
Dollar Hongkong	HKD
Ren Min Bi	CNY
Australian dollar	AUD



1.8 eWallet Table

eWallet	Code
MoMo eWallet	момо
GPay eWallet	GPAY
Zalo Pay eWallet	ZALOPAY

1.9 Payment Hubs Table

Hub	Code
2C2P Hub	2C2P

1.10 International Card Scheme Table

Card Scheme	Code
Visa	VISA
Master	MASTER
JCB	JCB
American Express	AMEX

1.11 Domestic Bank Table

Viet Nam Local Banks	Code
Ngân hàng TMCP Sài Gòn Công Thương	SAIGONBANK
Ngân hàng TMCP Sài Gòn Thương Tín	SACOMBANK
Ngân hàng Nông nghiệp và Phát triển Nông thôn Việt Nam	AGRIBANK
Ngân hàng TMCP Đông Á	DONGABANK



Ngân hàng TMCP Kỹ Thương	TECHCOMBANK
Ngân hàng Thương mại TNHH MTV Dầu Khí Toàn Cầu	GPBANK
Ngân hàng TMCP Bắc Á	BACABANK
Ngân hàng TMCP Đại Chúng Việt Nam	PVCOMBANK
Ngân hàng TNHH MTV Đại Dương	OCEANBANK
Ngân hàng TMCP Công Thương Việt Nam	VIETINBANK
Ngân hàng TMCP Á Châu	ACB
Ngân hàng Đầu tư và Phát triển Việt Nam	BIDV
Ngân hàng TMCP Quốc Dân	NCB
Ngân hàng liên doanh Việt Nga	VRB
Ngân hàng TMCP Quân Đội	МВ
Ngân hàng TMCP Tiên Phong	TPBANK
Ngân hàng TNHH MTV Shinhan Việt Nam	SHINHANBANK
Ngân hàng TMCP An Bình	ABBANK
Ngân hàng TMCP Hàng Hải Việt Nam	MSB
Ngân hàng TMCP Việt Á	VIETABANK
Ngân hàng TMCP Nam Á	NAMABANK
Ngân hàng TMCP Sài Gòn	SCB
Ngân hàng TMCP Xăng dầu Petrolimex	PGBANK
Ngân hàng TMCP Xuất Nhập khẩu Việt Nam	EXIMBANK
Ngân hàng TMCP Việt Nam Thịnh Vượng	VPBANK
Ngân hàng TMCP Việt Nam Thương Tín	VIETBANK
Ngân hàng TNHH Indovina	IVB



Ngân hàng TMCP Ngoại thương Việt Nam	VIETCOMBANK
Ngân hàng TMCP Phát Triển Thành Phố Hồ Chí Minh	HDBANK
Ngân hàng TMCP Bảo Việt	BAOVIETBANK
Ngân hàng TNHH MTV Public Việt Nam	PUBLICBANK
Ngân hàng TMCP Đông Nam Á	SEABANK
Ngân hàng TMCP Quốc Tế Việt Nam	VIB
Ngân hàng TNHH MTV Hong Leong Việt Nam	HONGLEONGBANK
Ngân hàng TMCP Sài Gòn - Hà Nội	SHB
Ngân hàng TMCP Phương Đông	ОСВ
Ngân hàng TMCP Bưu Điện Liên Việt	LIENVIETPOSTBANK
Ngân hàng TMCP Kiên Long	KIENLONGBANK
Ngân hàng TMCP Bản Việt	VIETCAPITALBANK
Ngân Hàng Hana	KEBHANA
Ngân hàng Woori Bank Việt Nam	WOORIBANK
Ngân hàng UOB Việt Nam	UOB
Công ty Tài chính cổ phần Tín Việt	VIETCREDIT
Công ty Tài chính TNHH MTV Mirae Asset (Việt Nam)	MAFC



1.12 Card Test Information

1.12.1 International (via MPGs)

Card Number	Expiry Date	cvv	3DS Secure
5506920809243667	01 / 39	100	Υ
4012000033330026	01 / 39	100	N

1.12.2 International (via Cybersource)

Card Number	Expiry Date	cvv	3DS Secure
4456530000001096	12 / 30	111	Υ
4456530000000064	12 / 30	111	N

1.12.3 Viet Nam Domestic (via Napas)

Card Number	Card Holder Name	Issue Date / Expiry Date	OTP (Pernament)
970400000000018	Nguyen Van A	03/07	otp



2 API Specfication

2.1 Definition Table

Definition	Remark
Mandatory (M)	Required when call API
Optional (O)	DOT NOT Required when call API
Condition (C)	Base on Condition of another field when call API, that field can be Required or Optional

2.2 Data Format

Definition	Remark
Alpha	String data, including capital letters (A-Z), usually (a-z)
Numeric	Numeric data, consisting only of numeric characters (0-9)
Alphanumeric	Numeric data, including uppercase, lowercase, and numeric characters
JSON Object	JSON object data
JSON Array	JSON array data



2.3 API Pay

Use to create a simple payment request to GALAXY PAY.

URL: https://uat-secure.galaxypay.vn/pay

2.3.1 Request Message

Header	Header						
Level	Field Name	Data Type	Length	Required	Description		
1	apiKey	Alphanumeric		М	Request authenticate		
1	signature	Alphanumeric		М	Request signature		
Body							
Level	Field Name	Data Type	Length	Required	Description		
1	requestID	Alphanumeric	50	M	Unique ID for each transaction request Recommend: GUID		
1	requestDateTime	Numeric	14	М	yyyyMMddHHmmss		
1	requestData	JSON Object					
2	apiOperation	Alpha	20	М	Set default value: PAY		
2	orderID	Alphanumeric	50	М	Transaction ID at Merchant		
2	orderNumber	Alphanumeric	20	0	Order Number or Bill Number		
2	orderAmount	Numeric	16	М	Transaction Amount		
2	orderCurrency	Alpha	3	М	Send the code in Currencies Table		
2	orderDateTime	Numeric	14	М	yyyyMMddHHmmss		
2	orderDescription	Alphanumeric	250	М	Transaction Description		
2	paymentMethod	Alpha	20	М	DOMESTIC INTERNATIONAL WALLET HUB DOMESTIC: VietNam Local Card INTERNATIONAL: International Card WALLET: MoMo ewallet, Zalo Pay ewallet HUB: Payment hub		
2	sourceType	Alphanumeric	20	0	Can leave it blank or set the value corresponding to the payment method. When paymentMethod = DOMESTIC Send the code in Domestic Bank Table When paymentMethod = INTERNATIONAL Send the code in International Card Scheme Table When paymentMethod = WALLET Send the code in eWallet Table When paymentMethod = HUB Send the code in Payment Hubs Table		



2	language	Alpha	2	М	vi or en vi: Vietnamese en: English
2	successURL	Alphanumeric	500	0	Callback URL when Payment is success
2	failureURL	Alphanumeric	500	0	Callback URL when Payment is failure
2	cancelURL	Alphanumeric	500	0	Callback URL when Customer cancel
2	ipnURL	Alphanumeric	500	0	IPN URL
2	cardNumber	Numeric	19	0	Use for Hosted Merchant only
2	cardHolderName	Alphanumeric	19	0	Use for Hosted Merchant only
2	cardExpireDate	Alphanumeric	5	0	Use for Hosted Merchant only Format: MM/YY
2	cardVerificationValue	Numeric	3	0	Use for Hosted Merchant only CVV/CVC
2	extraData	JSON Object		0	Extra data
3	customer	JSON Object		0	Customer information
4	firstName	Alphanumeric	50	0	Customer first name
4	lastName	Alphanumeric	50	0	Customer last name
4	identityNumber	Numeric	50	0	Customer national ID
4	email	Alphanumeric	50	0	Customer email
4	phoneNumber	Numeric	50	0	Customer phone number
4	phoneType	Alpha	1	0	Customer phone type F : Fixed-line or M : Mobile
4	gender	Alpha	1	0	Customer gender M: Male, F: Female
4	dateOfBirth	Numeric	8	0	Customer birth day yyyyMMdd
4	title	Alphanumeric	50	0	Customer title
3	device			0	Device information
4	browser	Alphanumeric	50	0	Browser information
4	fingerprint	Alphanumeric	100	0	Unique identifier for the device
4	hostName	Alphanumeric	50	0	The name of merchant server
4	ipAddress	Alphanumeric	50	0	The ip address of merchant server
4	deviceID	Alphanumeric	50	0	Mobile device identifier
4	deviceModel	Alphanumeric	50	0	Mobile device model
3	application			0	Application information
					· · · · · · · · · · · · · · · · · · ·



	T	T	1		
4	applicationID	Alphanumeric	50	0	Application Identifier
4	applicationChannel	Alpha	50	0	Application channel Mobile, Web, POS
3	airline			0	Airline information
4	recordLocator	Alphanumeric	50	0	Passenger name record (PNR)
4	journeyType	Numeric	1	0	Oneway: 1, Roundtrip: 2
4	departureAirPort	Alphanumeric	50	0	Departure air port
4	departureDateTime	Numeric	14	0	Departure date time yyyyMMddHHmmss
4	arrivalAirPort	Alphanumeric	50	0	Arrival air port
4	arrivalDateTime	Numeric	14	0	Arrival date time
4	services	JSON Array		0	Airline services information
5	serviceCode	Alphanumeric	50	0	Service code
5	quantity	Numeric	10	0	Service quantity
5	amount	Numeric	16	0	Service amount
5	tax	Numeric	6	0	Service tax
5	fee	Numeric	6	0	Service fee
5	currency	Alpha	3	0	Service amount currency VND or USD
4	flights	JSON Array		0	Airline flights information
5	airlineCode	Alphanumeric	50	0	Airline code
5	carrierCode	Alphanumeric	50	0	Carrier code
5	flightNumber	Numeric	50	0	Flight number
5	travelClass	Alphanumeric	50	0	Class of service
5	departureAirPort	Alphanumeric	50	0	Departure air port
5	departureDate	Numeric	50	0	Departure date yyyyMMdd
5	departureTime	Numeric	50	0	Departure time HHmmss
5	departureTax	Numeric	50	0	Departure tax
5	arrivalAirPort	Alphanumeric	50	0	Arrival air port
5	arrivalDate	Numeric	50	0	Arrival air port
5	arrivalTime	Numeric	50	0	Arrival date yyyyMMdd
5	fees	Numeric	50	0	Total fees
	1				



5	taxes	Numeric	50	0	Total taxs
5	fares	Numeric	50	0	Total fares
5	fareBasicCode	Alphanumeric	50	0	Code defining rules forming the basic of fare.
5	originCountry	Alpha	2	0	Country code of the country of origin for the flight.
4	passengers	JSON Array		0	Airline passengers information
5	passengerID	Alphanumeric	50	0	Passenger ID or Passport
5	passengerType	Alphanumeric	50	0	Adult: ADT, Children: CHD, Infant: INF
5	firstName	Alphanumeric	50	0	Passenger first name
5	lastName	Alphanumeric	50	0	Passenger last name
5	title	Alphanumeric	50	0	Passenger title
5	gender	Alpha	1	0	Passenger gender
5	dateOfBirth	Numeric	14	0	Passenger birth day yyyyMMddHHmmss
5	identityNumber	Alphanumeric	50	0	Passenger national ID
5	nameInPNR	Alphanumeric	50	0	Name in PNR
5	memberTicket	Alphanumeric	50	0	Member ticket ID
3	billing	JSON Object		0	Billing address information
4	countryCode	Alpha	2	0	Billing country
4	stateProvine	Alphanumeric	50	0	Billing state/provine
4	cityName	Alphanumeric	50	0	Billing city
4	postalCode	Alphanumeric	50	0	Billing postal code
4	streetNumber	Alphanumeric	50	0	Billing street number
4	addressLine1	Alphanumeric	50	0	Billing address line 1
4	addressLine2	Alphanumeric	50	0	Billing address line 1

```
"requestID": "14653fa1-2f69-4f4f-9d4b-240elbebbdf3",
"requestDateTime": 20220426083322,
"requestData": {
    "orderID": "2a43e4b9-c5df-49e6-8b18-42af9bcd150e",
    "orderNumber": 205249008064,
    "orderAmount": 100000,
    "orderCurrency": "VND",
    "orderDateTime": 20220426083322,
    "orderDescription": "DEMO TRANSACTION",
    "cardType": "atm",
    "bank": "970437",
    "otp": "on",
    "request": "purchase",
    "token": "",
```



```
"language": "vi",
"extraData": {
  "customer": {
     "firstName": "Luca",
     "lastName": "Joshua",
     "identityNumber": "6587729673",
     "email": "William@outlook.com",
     "phoneNumber": "0598961097", "phoneType": "15oBjOMfIo",
     "gender": "M",
     "dateOfBirth": "19990716",
     "title": "Mr"
   "device": {
     "browser": "QJc2njSA0f",
     "fingerprint": "hA05iBWrRE",
     "hostName": "tKlUfIOPSy",
"ipAddress": "XGInpbefIV",
     "deviceID": "NzoBA2ys2y",
"deviceModel": "yB0pcSWtlC"
   "application": {
     "applicationID": "KbPCc8eSXH",
     "applicationChannel": "Mobile"
   "airline": {
     "recordLocator": "taiytAvAbH",
     "journeyType": 630351972,
     "departureAirport": "0GwfbYTgKQ",
"departureDateTime": "26/04/2022 09:33:28",
     "arrivalAirport": "Z7OMrnXLyV",
"arrivalDateTime": "26/04/2022 07:49:17",
     "services": [{
        "serviceCode": "CNm3xWF0BN",
        "quantity": 2080236449,
        "amount": 90000,
        "tax": 0,
        "fee": 20000,
        "totalAmount": 90000,
        "currency": "USD"
     "flights": [{
       "airlineCode": "iwxOOR6FdH",
"carrierCode": "uOzkYneyc4",
"flightNumber": 2094437388,
"travelClass": "F7nh7Sq3h0",
        "departureAirport": "kaUCOr4fIu",
        "departureDate": "nTTKO14KMw",
"departureTime": "26/04/2022 05:18:41",
"departureTax": "PPKh18CuOL",
        "arrivalAirport": "9ngCTN12RX",
"arrivalDate": "J7dPrCJhG4",
"arrivalTime": "26/04/2022 01:50:58",
        "fees": 10000,
        "taxes": 0,
"fares": 80000,
        "fareBasisCode": "loJaV16qdp",
        "originCountry": "ctdWpuaNUY"
      passengers": [{
        "passengerID": "PY46jn97Ti",
"passengerType": "5VnNkPVs7k",
        "firstName": "James",
"lastName": "Theodore",
        "title": "Mr",
        "gender": "F",
"dateOfBirth": "20220425",
        "identityNumber": "bRcd3XuUx1",
        "nameInPNR": "UXHn1FZzTz",
        "memberTicket": "M5SnryZ27k"
   "billing": {
     "countryCode": "Xcryl0xdSW",
     "stateProvine": "imbQzGLJqB",
     "cityName": "Ely",
"postalCode": "2YM2F09vuB",
     "streetNumber": "751",
```



}

2.3.2 Response Message

Header	Header						
Level	Field Name	Data Type	Length	Required	Description		
1	signature	Alphanumeric		М	Response signature		
Body			<u>'</u>				
Level	Field Name	Data Type	Length	Required	Description		
1	requestID	Alphanumeric	50	М	Original Request ID		
1	responseDateTime	Numeric	14	М	yyyyMMddHHmmss		
1	responseCode	Numeric	3	М	See Response Code Table for detail		
1	responseMessage	Alphanumeric	250	М	Response message		
1	responseData	JSON Object		М	Response data		
2	transactionID	Alphanumeric		М	GALAXY PAY transaction ID		
2	endpoint	Alphanumeric		М	Secure page URL (Use for Redirect)		
Example	Example						
"resp "resp "resp "resp "t:	<pre>{ "requestID": "14653fa1-2f69-4f4f-9d4b-240e1bebbdf3", "responseDateTime": "20220506092917", "responseCode": "00", "responseMessage": "Success", "responseData": { "transactionID": "2208173PGECK2NKKBEBPPTAVSC7PNGKI", "endpoint": "https://uat-payment.galaxypay.vn/pay/2208173PGECK2NKKBEBPPTAVSC7PNGKI"</pre>						



2.4 API Pay with Option

Use to create a payment request to GALAXY PAY with payment options. Customers can select payment methods on GALAXY PAY.

URL: https://uat-secure.galaxypay.vn/payWithOption

2.4.1 Request Message

Header								
Level	Field Name	Data Type	Length	Required	Description			
1	apiKey	Alphanumeric		М	Request authenticate			
1	signature	Alphanumeric		М	Request signature			
Body	Body							
Level	Field Name	Data Type	Length	Required	Description			
1	requestID	Alphanumeric	50	М	Unique ID for each transaction request Recommend: GUID			
1	requestDateTime	Numeric	14	М	yyyyMMddHHmmss			
1	requestData	JSON Object						
2	apiOperation	Alpha	20	М	Set default value: PAY			
2	orderID	Alphanumeric	50	М	Transaction ID at Merchant			
2	orderNumber	Alphanumeric	20	О	Order Number or Bill Number			
2	orderAmount	Numeric	16	М	Transaction Amount			
2	orderCurrency	Alpha	3	М	Send the code in Currencies Table			
2	orderDateTime	Numeric	14	М	yyyyMMddHHmmss			
2	orderDescription	Alphanumeric	250	М	Transaction Description			
2	language	Alpha	2	М	vi or en vi: Vietnamese en: English			
2	successURL	Alphanumeric	500	0	Callback URL when Payment is success			
2	failureURL	Alphanumeric	500	0	Callback URL when Payment is failure			
2	cancelURL	Alphanumeric	500	0	Callback URL when Customer cancel			
2	ipnURL	Alphanumeric	500	0	IPN URL			
2	extraData	JSON Object		О	Extra data. Same as API Pay			
Example								



```
{
    "requestID": "14653fa1-2f69-4f4f-9d4b-240elbebbdf3",
    "requestDateTime": 20220426083322,
    "requestData": {
        "orderID": "2a43e4b9-c5df-49e6-8b18-42af9bcd150e",
        "orderNumber": 205249008064,
        "orderAmount": 100000,
        "orderCurrency": "VND",
        "orderDateTime": 20220426083322,
        "orderDescription": "DEMO TRANSACTION",
        "otp": "on",
        "request": "purchase",
        "language": "vi",
        "extraData": {
        }
    }
}
```

2.4.2 Response Message

Header						
Level	Field Name	Data Type	Length	Required	Description	
1	signature	Alphanumeric		М	Response signature	
Body						
Level	Field Name	Data Type	Length	Required	Description	
1	requestID	Alphanumeric	50	М	Original Request ID	
1	responseDateTime	Numeric	14	М	yyyyMMddHHmmss	
1	responseCode	Numeric	3	М	See Response Code Table for detail	
1	responseMessage	Alphanumeric	250	М	Response message	
1	responseData	JSON Object		М	Response data	
2	transactionID	Alphanumeric		М	GALAXY PAY transaction ID	
2	endpoint	Alphanumeric		М	Secure page URL (Use for Redirect)	

```
{
   "requestID": "260b8362e5194b0da4b7eb6c54c87225",
   "responseDateTime": "20220912174055",
   "responseCode": "200",
   "responseMessage": "Success",
   "responseData": {
        "transactionID": "220912M2LVCFCSCQNE3FHVOJP7OTS5D4",
        "endpoint": "https://uat-payment.galaxypay.vn/payWithOption/220912M2LVCFCSCQNE3FHVOJP7OTS5D4"
   }
}
```



2.5 Cancel Callback

- Use for Merchant to redirect customer to cancel payment page.
- Support http method **POST** or **GET**

2.5.1 Response Message

Body	Body						
Level	Field Name	Data Type	Length	Required	Description		
1	data	Alphanumeric		М	Base-64 string		
1	signature	Alphanumeric		М	Response Signature		
Data (Decode Base-64 String)							
Level	Field Name	Data Type	Length	Required	Description		
1	requestID	Alphanumeric	50	М	Original Request ID		
1	responseDateTime	Numeric	14	М	ууууMMddHHmmss		
1	responseCode	Numeric	3	М	See Response Code Table for detail		
1	responseMessage	Alphanumeric	250	М	Response message		
1	responseData	JSON Object		М	Response data		
2	transactionID	Alphanumeric	38	М	Transaction ID at GALAXY PAY		
2	transactionDateTime	Numeric	14	М	ууууMMddHHmmss		
2	orderID	Alphanumeric	50	М	Transaction ID at Merchant		
2	orderNumber	Alphanumeric	20	0	Order Number or Bill Number		
2	orderAmount	Numeric	16	М	Transaction Amount		
2	orderCurrency	Alpha	3	М	VND or USD		
2	orderDateTime	Numeric	14	М	yyyyMMddHHmmss		
2	orderDescription	Alphanumeric	250	М	Transaction Description		
2	language	Alpha	2	М	vi or en vi: Vietnamese en: English		

[&]quot;data":

[&]quot;eyJyZXF1ZXN0SUQiOiIxNDY1M2ZhMS0yZjY5LTRmNGYtOWQ0Yi0yNDB1MWJlYmJkZjMiLCJyZXNwb25zZURhdGVUaW11IjoiMjAy MjA1MDYxMTM1MTciLCJyZXNwb25zZUNvZGUiOiI0OTkiLCJyZXNwb25zZU1lc3NhZ2UiOiJDYW5jZWxlZCBieSB1c2VyIiwicmVzc G9uc2VEYXRhIjp7InRyYW5zYWN0aW9uSUQiOiIyMjA1MDY5OWU2NWQ5YTcxZDU0OGU2YjY3MzIzYWVmMWE0OTRhYyIsInRyYW5zYW N0aW9uRGF0ZVRpbWUiOiIyMDIyMDUwNjExMzUxNyIsIm9yZGVySUQiOiI4ODgyODkiLCJvcmRlck51bWJlciI6IjgyMjYyODg5Iiw



ib3JkZXJBbW91bnQiOiIxMDkwMDAiLCJvcmRlckRlc2NyaXB0aW9uIjoiU2VjdXJlIFBhZ2UgRGVtbyIsIm9yZGVyQ3VycmVuY3ki
OiJWTkQiLCJvcmRlckRhdGVUaW1lIjoiMjAyMjA0MDUyMDIwMDAiLCJsYW5ndWFnZSI6InZpIn19",
 "signature": "be8d2d815d694037d7ec2d9f7ac645d7a6168b692af6b786c1d59da72cd93a5e"
}

```
Pecode Base-64 string

{
    "requestID": "14653fa1-2f69-4f4f-9d4b-240e1bebbdf3",
    "responseDateTime": "20220506113517",
    "responseCode": "499",
    "responseMessage": "Canceled by user",
    "responseData": {
        "transactionID": "22050699e65d9a71d548e6b67323aef1a494ac",
        "transactionDateTime": "20220506113517",
        "orderID": "88289",
        "orderID": "882889",
        "orderAmount": "109000",
        "orderAmount": "109000",
        "orderDescription": "Secure Page Demo",
        "orderDateTime": "20220405202000",
        "language": "vi"
    }
}
```



2.6 Result & IPN Callback

- Result URL: Use for Merchant to show result for Customer. Support http method POST or GET
- IPN URL: Use for Merchant to receive payment result and process business workflow.

2.6.1 Request Message

1 1 Data (Deco	field Name data signature ode Base-64 String) Field Name	Data Type Alphanumeric Alphanumeric	Length	Required M M	Description Base-64 string Response Signature						
1	signature ode Base-64 String)										
	ode Base-64 String)	Alphanumeric		М	Response Signature						
Data (Deco											
	Field Name			Data (Decode Base-64 String)							
Level		Data Type	Length	Required	Description						
1	requestID	Alphanumeric	50	М	Original Request ID						
1	responseDateTime	Numeric	14	М	yyyyMMddHHmmss						
1	responseCode	Numeric	3	М	See Response Code Table for detail						
1	responseMessage	Alphanumeric	250	М	Response message						
1	responseData	JSON Object		М	Response data						
2	transactionID	Alphanumeric	38	М	Transaction ID at GALAXY PAY						
2	transactionDateTime	Numeric	14	М	yyyyMMddHHmmss						
2	orderID	Alphanumeric	50	М	Transaction ID at Merchant						
2	orderNumber	Alphanumeric	20	0	Order Number or Bill Number						
2	orderAmount	Numeric	16	М	Transaction Amount						
2	orderCurrency	Alpha	3	М	VND or USD						
2	orderDateTime	Numeric	14	М	yyyyMMddHHmmss						
2	orderDescription	Alphanumeric	250	М	Transaction Description						
2	language	Alpha	2	М	vi or en vi: Vietnamese en: English						

[&]quot;data":

[&]quot;eyJyZXF1ZXN0SUQiOiIxNDY1M2ZhMS0yZjY5LTRmNGYtOWQ0Yi0yNDB1MWJ1YmJkZjMiLCJyZXNwb25zZURhdGVUaW11IjoiMjAy MjA1MDYxMTM1MTciLCJyZXNwb25zZURhdGVUaW11IjoiMjAy MjA1MDYxMTM1MTciLCJyZXNwb25zZUNvZGUiOiIyMDAiLCJyZXNwb25zZU11c3NhZ2UiOiJUcmFuc2FjdGlvbiBpcyBzdWNjZXNzZ nVsLiIsInJlc3BvbnN1RGF0YSI6eyJ0cmFuc2FjdGlvbklEIjoiMjIwNTA2OT11NjVkOWE3MWQ1NDh1NmI2NzMyM2F1ZjFhNDk0YW MiLCJ0cmFuc2FjdGlvbkRhdGVUaW11IjoiMjAyMjA0MDUyMDIwMDAiLCJvcmRlcklEIjoiODg4Mjg5Iiwib3JkZXJOdW1iZXIIOII



```
Decode Base-64 string

{
    "requestID": "14653fa1-2f69-4f4f-9d4b-240elbebbdf3",
    "responseDateTime": "20220506113517",
    "responseCode": "200",
    "responseMessage": "Transaction is successful.",
    "responseData": {
        "transactionID": "22050699e65d9a71d548e6b67323aef1a494ac",
        "transactionDateTime": "20220405202000",
        "orderID": "882899",
        "orderNumber": "882262889",
        "orderAmount": "109000",
        "orderDescription": "Secure Page Demo",
        "orderCurrency": "VND",
        "orderDateTime": "20220405202000",
        "language": "vi"
    }
}
```

2.6.2 Response Message (FOR IPN ONLY)

Body						
Level	Field Name	Data Type	Length	Required	Description	
1	ipnStatus	Alphanumeric	50	М	Response Code for IPN Request. Accepted value: 200: Transaction Success 404: Transaction Not Found 409: Transaction Completed	
1	ipnDescription	Alphanumeric	250	0	Response Description	