Version	Date	Changes
1.00	15 March 2023	First and Initial version of APIs
1.01	01 April 2023	Add default page at `get_transaction` API. Add `from` and `to` at `get_transaction` API. Add `get_accounts` API.
1.02	20 April 2023	Add `create_transfer` API. Add `get_bank_config` API. Add `get_transfer` API. Add `update_transfer_queue` API. Add `update_otp` API. Add `update_otp2` API.
1.03	27 April 2023	Add `check_transaction` API. Add `redeem_transaction` API.
1.04	03 May 2023	Rework `check_transaction` API
1.05	09 July 2023	Add `status` to `get_bank_config` API. Add `create_payment_gateway_deposit` API. Add `check_deposit_status` API.
1.06	20 July 2023	Rename Document to Payment Gateway API Document. Reworks all the APIs, rename certain APIs, add Merchant Code requirements to all APIs
1.07	19 Aug 2023	Add `ref` to `create_pg_deposit` API. Add `logo_url` on `get_bank_config` API. Add **Appendix C: Payment Gateway Flow**.
1.08	24 Aug 2023	Add `callback_url` to `create_pg_deposit` API.
1.09	27 Aug 2023	Add `callback_url` to `create_transfer` API.
1.10	01 Oct 2023	Add mandatory for the `remark` in `create_transfer` API. Add details for callback in `create_pg_deposit` and `create transfer` APIs
1.11	25 Oct 2023	Add `bank_type` in `create_pg_deposit` API. Improve payment gateway flow to accept QR Code.

1.12	05 Nov 2023	Add `qrcode_url` in `get_deposit_accounts` API.
1.13	01 Dec 2023	Add `create_prompt_pay_qrcode`, `get_prompt_pay_qrcode_by_uuid` and `update_prompt_pay_scanned_time` API. Add Status Description of Prompt Pay QR Code. Add Callback description for Prompt Pay QR Code. Move **Appendix D** to **Appendix E**, add **Appendix D** as **Prompt Pay QR Code Flow**.
1.14	11 Dec 2023	Add `create_prompt_pay_deposit` API. Add more description to **Appendix D**.
1.15	22 Dec 2023	Limit the `amount` in `create_prompt_pay_qrcode` and `create_prompt_pay_deposit` API to only accept Integer. Add `get_balance` API.
1.16	30 Dec 2023	Re-allow the `amount` in `create_prompt_pay_qrcode` and `create_prompt_pay_deposit` API to only accept decimal number.

Payment Gateway API

Index

Table 1: All Available APIs

Url Name		
Public	**Authenticated**	
	create_pg_deposit	(Pending)
	create_prompt_pay_deposit	get_pg_deposits
	create_prompt_pay_qrcode	get_redeemed_deposits
	create_transfer	get_transfers
	get_balance	cancel_transfer
	get_bank_config	
	get_deposit	
	get_deposit_accounts	
	get_pg_deposit_by_token	
	get_prompt_pay_qrcode_by_uuid	
	get_transfer_by_id	
	redeem_deposit	
	update_prompt_pay_scanned_time	

Note:

The payment gateway and bank robot is designed based on the HTML structure of the banking website during development, it may not work when the site is decided to update its HTML source.

Overview

Domain	https://bank.kissvips.com/	
Base URL	https://bank.kissvips.com/api/	
Merchant Code	*To be provided*	
API Key	*To be provided*	

The complete API URL is **[Base URL] + [URL Name]**. Example to perform login, the complete API URL is https://bank.kissvips.com/api/get_transaction.
Every API need to be requested using POST method.
Every API will return the result in JSON format.
Every request needs to append with these parameters:

Table 2: Mandatory Parameters for all API Requests

Parameters	Type	Max Length	Required	Remark
merchant_code	`string`	16	Yes	The Merchant Code provided
time	`float`	-	Yes	Current Epoch time when making the request. Each Epoch time must be unique and cannot offset more than 120 seconds. Up to 2 decimal places is allowed.
signature	`string`	32	Yes	Can be generated using formula: `md5(time + api_key)`

Assume your `api_key` is **P2B5jwQXiw60I5ic9s8MeWniG1o9GteS** and current Unix Epoch time, `time` is **1564895669.02**, hence your `signature` can be obtained using:

```
md5(1564895669.02P2B5jwQXiw60I5ic9s8MeWniG1o9GteS)
```

Result is:

```
dacf1a335219b1a19e8ffc7c4b48d436
```

(Convert to non-capital letter)

Url: create_pg_deposit

This is to create a new deposit via payment gateway. More about payment gateway flow, can refer to **Appendix C: Payment Gateway Flow**.

Request

Parameters	Type	Max Length	Required	Remark
from_bank_config_id	integer	-	Yes	The specific bank id to transfer to. Refer to `get_bank_config` API.
bank_type	char	1	No	If not provided, will use Personal Account as default. Refer to **Appendix A** for more details.
amount	float	-	Yes	Must be greater than zero, and less than pre-defined maximum transfer in system.
postback_url	string	512	Yes	The postback URL that will redirect to once the deposit is success or fail.
callback_url	String	512	No	The callback URL that will call once the deposit is success or fail. Please refer to **Appendix E** for details.
ref	string	128	Yes	Reference for merchant to cross check with back office.

Response

Parameters	Remark
status	The status of the request.
token	The unique token for this deposit.
expired_at	The datetime where the token expired

Sample of the responses:

```
{
	"response": {
		"status": "OK",
```

```
            "token": "d8b7015803539e9c532c7d16e8658e19",
            "expired_at": "2023-05-15 19:12:37"
        }
}
```

Url: create_prompt_pay_deposit

This is to create a new deposit via Prompt Pay QR Code through payment gateway method. More about Prompt Pay QR Code flow, can refer to **Appendix D: Prompt Pay QR Code Flow**.

Request

Parameters	Type	Max Length	Required	Remark
account_no_list	json	512	No	The array of possible account number that user may use to transfer. e.g.: [6591492367, 0993720453, 1691414538]. The purpose is for the validation if there is multiple transactions with the same amount appear within the time range.
amount	float	-	Yes	Must be greater than zero, and less than pre-defined maximum deposit in system.
postback_url	string	512	Yes	The postback URL that will redirect to once the deposit is scanned.
callback_url	String	512	Yes	The callback URL that will call once the Prompt Pay is verified. Please refer to **Appendix E** for details.
ref	string	128	Yes	Reference for merchant to cross check with back office.

Response

Parameters	Remark
status	The status of the request.
uuid	The unique ID of the request.
redirect_path	The Prompt Pay deposit path to redirected to.

Sample of the responses:

```
{
      "response": {
```

```
        "status": "OK",
        "uuid": "e14c4253-e32b-40f8-bda2-36c82e26111e",
        "redirect_path": "http://bank.kissvips.com/pp_redirect?uuid=e14c4253-e32b-40f8-bda2-36c82e26111e"
    }
}
```

Url: create_prompt_pay_qrcode

This is to create a new deposit via Prompt Pay QR Code through merchant own method. More about Prompt Pay QR Code flow, can refer to **Appendix D: Prompt Pay QR Code Flow**.

Request

Parameters	Type	Max Length	Required	Remark
account_no_list	json	512	No	The array of possible account number that user may use to transfer. e.g.: [6591492367, 0993720453, 1691414538]. The purpose is for the validation if there is multiple transactions with the same amount appear within the time range.
amount	float	-	Yes	Must be greater than zero, and less than pre-defined maximum deposit in system.
callback_url	String	512	Yes	The callback URL that will call once the Prompt Pay is verified. Please refer to **Appendix E** for details.
ref	string	128	Yes	Reference for merchant to cross check with back office.

Response

Parameters	Remark
status	The status of the request.
uuid	The unique ID of the request.
qrcode_path	The image path of the QR Code generated.

Sample of the responses:

```
{
	"response": {
		"status": "OK",
```

```
        "uuid": "e14c4253-e32b-40f8-bda2-36c82e26111e",
        "qrcode_path": "http://bank.kissvips.com/path/uuid.png"
}
```

Url: create_transfer

This is to create a new transfer, after created, the default status will be “Pending”.

More about transfer’s status can refer to **Appendix A: Transfer Status**.

Request

Parameters	Type	Max Length	Required	Remark
to_bank_id	integer	-	Yes	The specific bank id to transfer to. Refer to `get_bank_config` API.
to_account_no	integer	128	Yes	The account no of the bank to transfer
amount	float	-	Yes	Must be greater than zero, and less than pre-defined maximum transfer in system.
remark	string	16	Yes	Any transaction remark
callback_url	String	512	No	The callback URL that will call once the transfer is success or fail. Please refer to **Appendix E** for details.

Response

Parameters	Remark
status	The status of the request.
transfer_id	The unique ID of this transfer.

Sample of the responses:


```
{
 "response": {
  "status": "OK",
  "transfer_id": 2
 }}
```

Url: get_balance

Request

Parameters	Type	Max Length	Required	Remark
-	–	–	-	-

Response

Parameters		Remark
status		The status of the request.
balance		The balance information
	amount	The balance of the merchant
	last_updated_at	The last updated date of the merchant balance

Sample of the responses:


```
{
	"response":{
		"status": "OK",
		"balance": {
			"amount": "0.00",
			"last_updated_at": "2023-12-20T20:07:29.000000Z"
		}
	}
}
```

Url: get_bank_config

Request

Parameters	Type	Max Length	Required	Remark
-	–	–	-	-

Response

Parameters		Remark
status		The status of the request.
accounts		The list of the available banks in the system.
	id	The unique ID of bank
	code	The unique code of bank
	name	The name of bank
	logo_url	The url of Bank Logo
	status	The status of the bank, details refer to **Appendix A**: Bank Config Status

Sample of the responses:


```
{
 "response": {
  "status": "OK",
  "accounts": [
  {
   "id": 1,
   "code": "002",
   "name": "BANGKOK BANK PUBLIC COMPANY LTD.",
   "logo_url": "https://bank.kissvips.com/path/name.png",
   "status": "D"
```

```
  },
  {
   "id": 2,
   "code": "004",
   "name": " KASIKORNBANK",
   "status": "A"
  },
  {...}
  ]
 }
}
```

Sample of the responses:


```
{
	"response": {
		"status": "OK",
		"deposit": {
			"token": "d464368f434355bf3f8a2298df32ff6c",
			"is_token_used": 1,
			"token_expired_at": "2023-05-13T14:10:41.000000Z",
			"token_used_at": "2023-05-13T13:55:54.000000Z",
			"amount": "10.0000",
			"created_at": "2023-05-13T13:55:41.000000Z",
			"error_message": "Transfer Error",
			"status": "E"
		}
	}
}
```

Url: get_deposit

This is to get the deposit record with the provided detail (if exists).

Request

Parameters	Type	Max Length	Required	Remark
from_bank_id	integer	-	Yes	The specific bank id of the player's bank. Refer to get_bank_config API.
from_bank_account_name	string	128	Yes	The account name of player's bank
from_bank_account_no	string	128	Yes	The account no of player's bank
amount	float	-	Yes	Must be a numeric number.

Response

Parameters		Remark
status		The status of the request.
deposits		The overall information of the deposit. (If exist)
	id	The unique ID of deposit transaction
	bank_id	The unique bank ID of the deposit transaction
	bank_account_id	The unique bank account ID of the deposit transaction
	datetime	The date time of the deposit transaction
	amount	The amount of the deposit transaction
	description	The description of the deposit transaction
	from_bank_id	The Bank ID of the originated bank
	from_account_name	The Account name of the originated bank
	from_account_no	The Account no of the originated bank
	crawl_id	The unique crawl ID for the deposit transaction
	is_redeemed	0 or 1. Indicate the deposit transaction is redeemed or not.

Sample of the responses:


```
{
	"response": {
		"status": "OK",
		"deposits": [
			{
				"id": 143,
				"bank_id": 2,
				"bank_account_id": 2,
				"datetime": "2023-03-15 23:20:00",
				"amount": "50.0000",
				"description": "กรุงไทย (KTB) /X434783",
				"from_bank_id": null,
				"from_account_name": "",
				"from_account_no": "X434783",
				"crawl_id": 13,
				"is_redeemed": 0
			}
		]
	}
}
```

Url: get_deposit_accounts

Request

Parameters	Type	Max Length	Required	Remark
-	–	–	-	-

Response

Parameters		Remark
status		The status of the request.
accounts		The list of the active accounts that available in the system.
	id	The unique ID of bank account
	bank_name	The bank name of the account
	account_username	The username of the account
	qrcode_url	The URL of the qrcode, if any.

Sample of the responses:


```
{
 "response": {
  "status": "OK",
  "accounts": [
  {
   "id": 1,
   "bank_name": "KBank",
   "account_username": "FIFA007",
   "qrcode_url": "http://ldusk.local:8080/img/no-image.jpg"
  },
  {
   "id": 2,
```

```
    "bank_name": "SCB",
    "account_username": "Nopa7878",
    "qrcode_url": "http://ldusk.local:8080/img/no-image.jpg"
   }
   ]
  }
}
```

Url: get_pg_deposit_by_token

This is to check the status of the payment gateway deposit created.

Request

Parameters	Type	Max Length	Required	Remark
token	`string`	32	Yes	The specific token obtains after initial the payment gateway deposit.

Response

Parameters		Remark
status		The status of the request.
deposit		The overall information of the deposit. (if exist)
	token	The token of the deposit, obtained from `create_payment_gateway_deposit` API.
	is_token_used	The indicator if the token is used, 0 = no used, 1 = used.
	token_expired_at	The token expiry date
	token_used_at	The date time token being used
	amount	The amount of the deposit
	created_at	The date time that the deposit is created
	error_message	The error message of the current deposit, if any.
	status	The current status of the deposit, refer to **Appendix A** for more details.

Url: get_prompt_pay_qrcode_by_uuid

Request

Parameters	Type	Max Length	Required	Remark
uuid	`string`	-	`Yes`	The unique ID for the Prompt Pay QR Code. Refer to `create_prompt_pay_qrcode` API.

Response

Parameters		Remark
status		The status of the request.
prompt_pay_qrcode		The detail of the Prompt Pay QR Code
	uuid	The unique ID of Prompt Pay QR Code
	qrcode_path	The image path of the generated Prompt Pay QR Code.
	amount	The amount of the Prompt Pay QR Code
	ref	The ref sent by merchant
	account_no_list	The account number list sent by merchant
	callback_url	The callback URL sent by merchant
	postback_url	The postback URL sent by merchant
	status	The status of the Prompt Pay QR Code. More about transfer's status can refer to **Appendix A: Prompt Pay QR Code Status**.
	created_at	The datetime where the Prompt Pay QR Code is created.
	scanned_at	The datetime where the Prompt Pay QR Code is scanned.
	verified_at	The datetime where the Prompt Pay QR Code is verified.

Sample of the responses:


```
{
	"response": {
		"status": "OK",
		"prompt_pay_qrcode": {
			"uuid": "e14c4253-e32b-40f8-bda2-36c82e26111e",
			"qrcode_path": "http://bank.kissvip.club/path/uuid.png",
			"amount": "1.00",
			"ref": "ref",
			"account_no_list": "[123, 456]",
			"callback_url": "http://bank.kissvip.club",
			"postback_url": "http://bank.kissvip.club",
			"status": "C",
			"created_at": "2023-11-30T17:24:07.000000Z",
			"scanned_at": null,
			"verified_at": null
		}
	}
}
```

Url: get_transfer_by_id

Request

Parameters	Type	Max Length	Required	Remark
transfer_id	integer	-	Yes	The unique ID for the transfer. Refer to create_transfer API.

Response

Parameters		Remark
status		The status of the request.
transfer		The detail of the transfer
	id	The unique ID of transaction
	created_at	The datetime of the transfer being created
	bank_config_id	The unique ID of the bank to transfer to
	to_bank	The name of the bank to transfer to
	to_account	The account no of the bank to transfer to
	amount	The amount of the transfer
	remark	The remark of the transfer
	status	The status of the transfer. More about transfer's status can refer to **Appendix A: Transfer Status**.

Sample of the responses:


```
{
 "response": {
  "status": "OK",
  "transfer": [
  {
   "id": 3,
   "datetime": " 2023-04-05T15:06:37.000000Z",
   "bank_config_id": 2,
   "to_bank": " KASIKORNBANK",
   "to_account": " 1463915322",
   "amount": " 5.0000",
   "remark": "T1",
   "status": "S"
  }
  ]
 }
}
```

Url: redeem_deposit

Redeem the selected deposit, it will update the redeem status from 0 to 1.

Request

Parameters	Type	Max Length	Required	Remark
deposit_id	integer	-	Yes	The deposit transaction ID obtained from get_deposit API.

Response

Parameters		Remark
status		The status of the request.
deposit		The overall information of the deposit transaction. (If exist)
	id	The unique ID of deposit transaction
	bank_id	The unique bank ID of the deposit transaction
	bank_account_id	The unique bank account ID of the deposit transaction
	datetime	The date time of the deposit transaction
	amount	The amount of the deposit transaction
	description	The description of the deposit transaction
	crawl_id	The unique crawl ID for the deposit transaction
	is_redeemed	0 or 1. Indicate the deposit transaction is redeemed or not.

Sample of the responses:

{

```
	"response": {
		"status": "OK",
		"deposit": {
			"id": 710,
			"bank_id": 3,
			"bank_account_id": 5,
			"datetime": "2023-03-21 16:00:00",
			"amount": "20.0000",
			"description": "SCB\nFrom Acc No. : X517188\nRef. No. : 1402517188",
			"crawl_id": 27,
			"is_redeemed": 1
		}
	}
}
```

Url: update_prompt_pay_scanned_time

Update the scanned time for selected Prompt Pay Deposit, update after user had made the Prompt Pay transfer. System will then proceed to verify the transaction between the created time and scanned time.

Request

Parameters	Type	Max Length	Required	Remark
uuid	`string`	-	`Yes`	The UUID obtained from `create_prompt_pay_qrcode` API.

Response

Parameters		Remark
status		The status of the request.
prompt_pay_qrcode		The detail of the Prompt Pay QR Code
	uuid	The unique ID of Prompt Pay QR Code
	qrcode_path	The image path of the generated Prompt Pay QR Code.
	amount	The amount of the Prompt Pay QR Code
	ref	The ref sent by merchant
	account_no_list	The account number list sent by merchant
	callback_url	The callback URL sent by merchant
	status	The status of the Prompt Pay QR Code. More about transfer's status can refer to **Appendix A: Prompt Pay QR Code Status**.
	created_at	The datetime where the Prompt Pay QR Code is created.
	scanned_at	The datetime where the Prompt Pay QR Code is scanned.
	verified_at	The datetime where the Prompt Pay QR Code is verified.

Sample of the responses:


```
{
	"response": {
		"status": "OK",
		"prompt_pay_qrcode": {
			"uuid": "e14c4253-e32b-40f8-bda2-36c82e26111e",
			"qrcode_path": "http://bank.kissvip.club/path/uuid.png",
			"amount": "1.00",
			"ref": "ref",
			"account_no_list": "[123, 456]",
			"callback_url": "http://bank.kissvip.club",
			"status": "S",
			"created_at": "2023-11-30T17:24:07.000000Z",
			"scanned_at": "2023-11-30T17:25:07.000000Z",
			"verified_at": null
		}
	}
}
```

Appendix A

Transfer Status

Code	Name
P	Pending
Q	Queue
S	Success
F	Failed
R *	Running

*** Not using at this moment**

Deposit Status

Code	Name
C	Deposit Just Created
W	Waiting to Login
L	Client Logged In
B	Bot Logged In
O	Waiting OTP #1
I	Client Entered OTP #1
T	Waiting OTP #2
N	Client Entered OTP #2
S	Success
E	Error

Bank Config Status

Code	Name
A	Active
D	Disabled

Bank Type

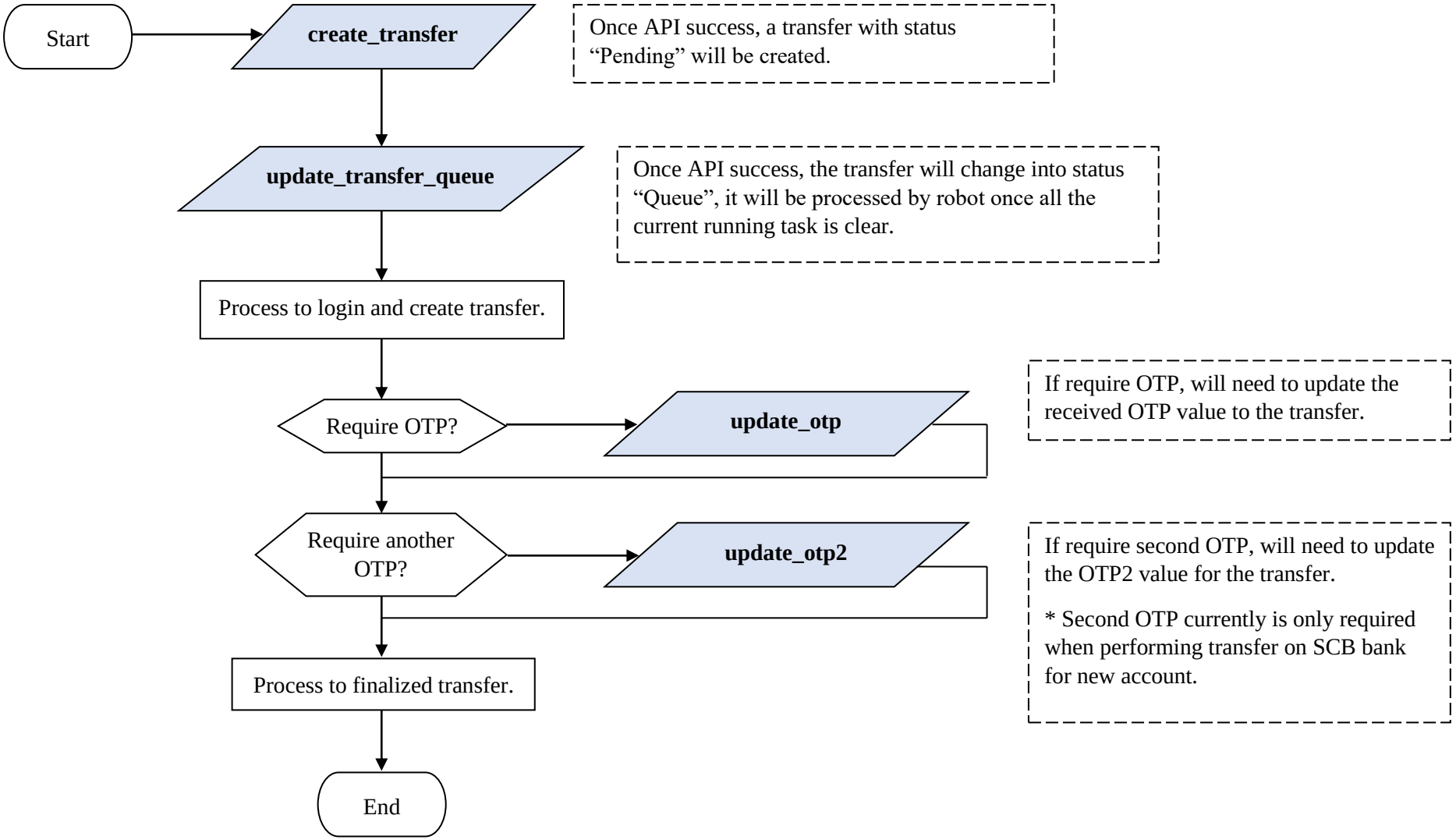
Code	Name
P	Personal Account
B	Business Account

Prompt Pay QR Code Status

Code	Name
C	Created
S	Scanned
V	Verified

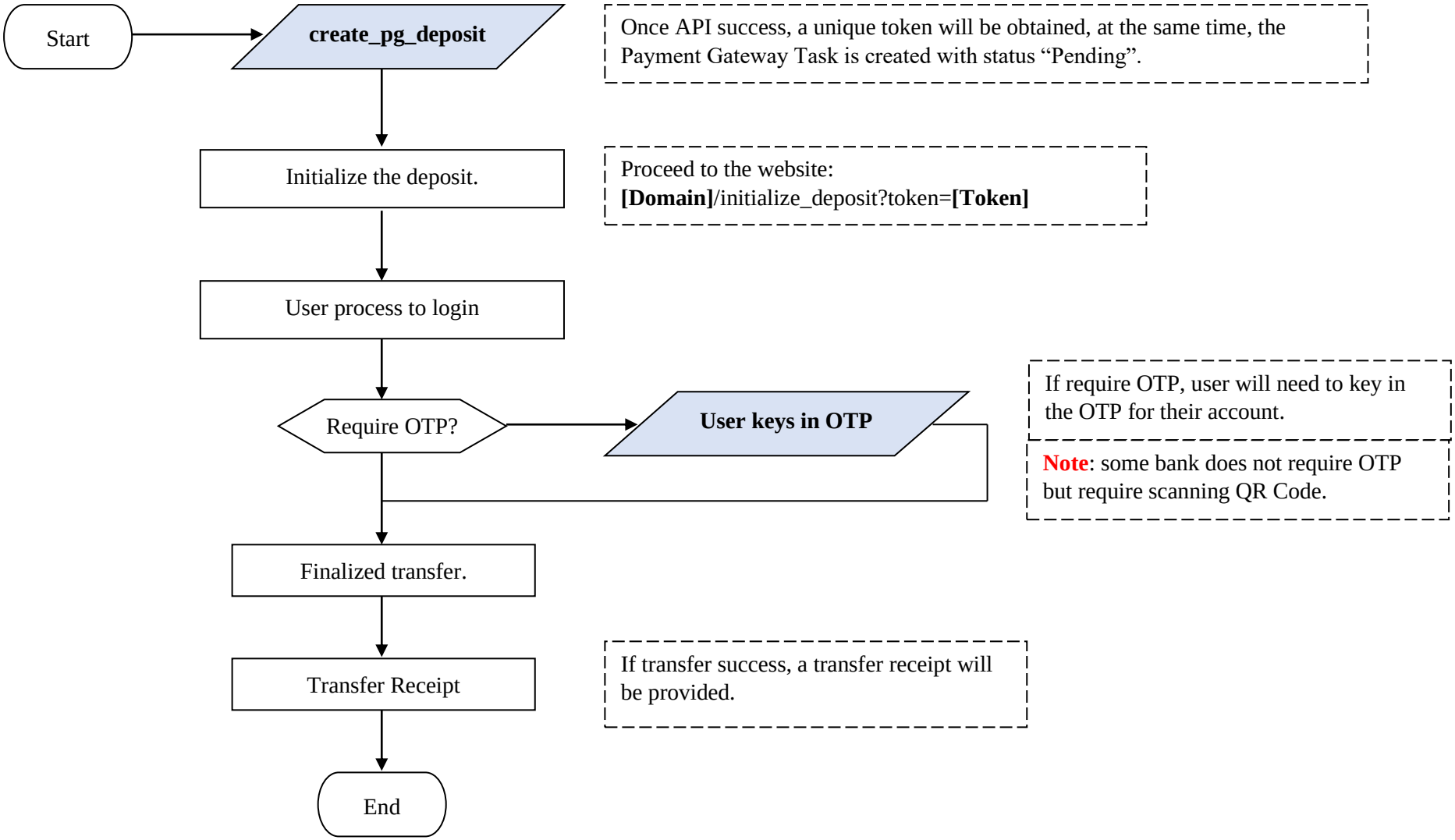
Appendix B

Transfer flow (Obsoleted)



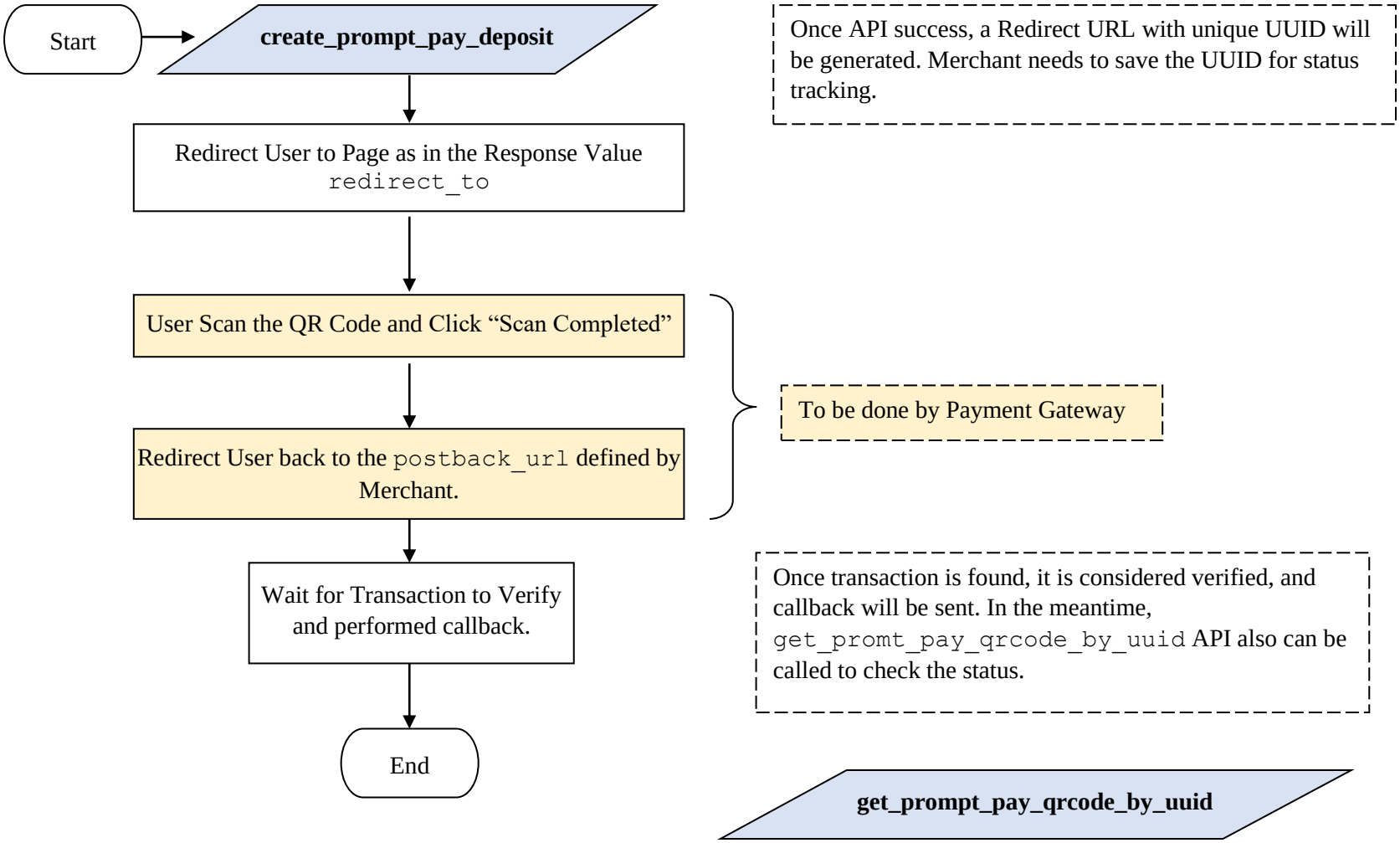
Appendix C

Payment Gateway Flow

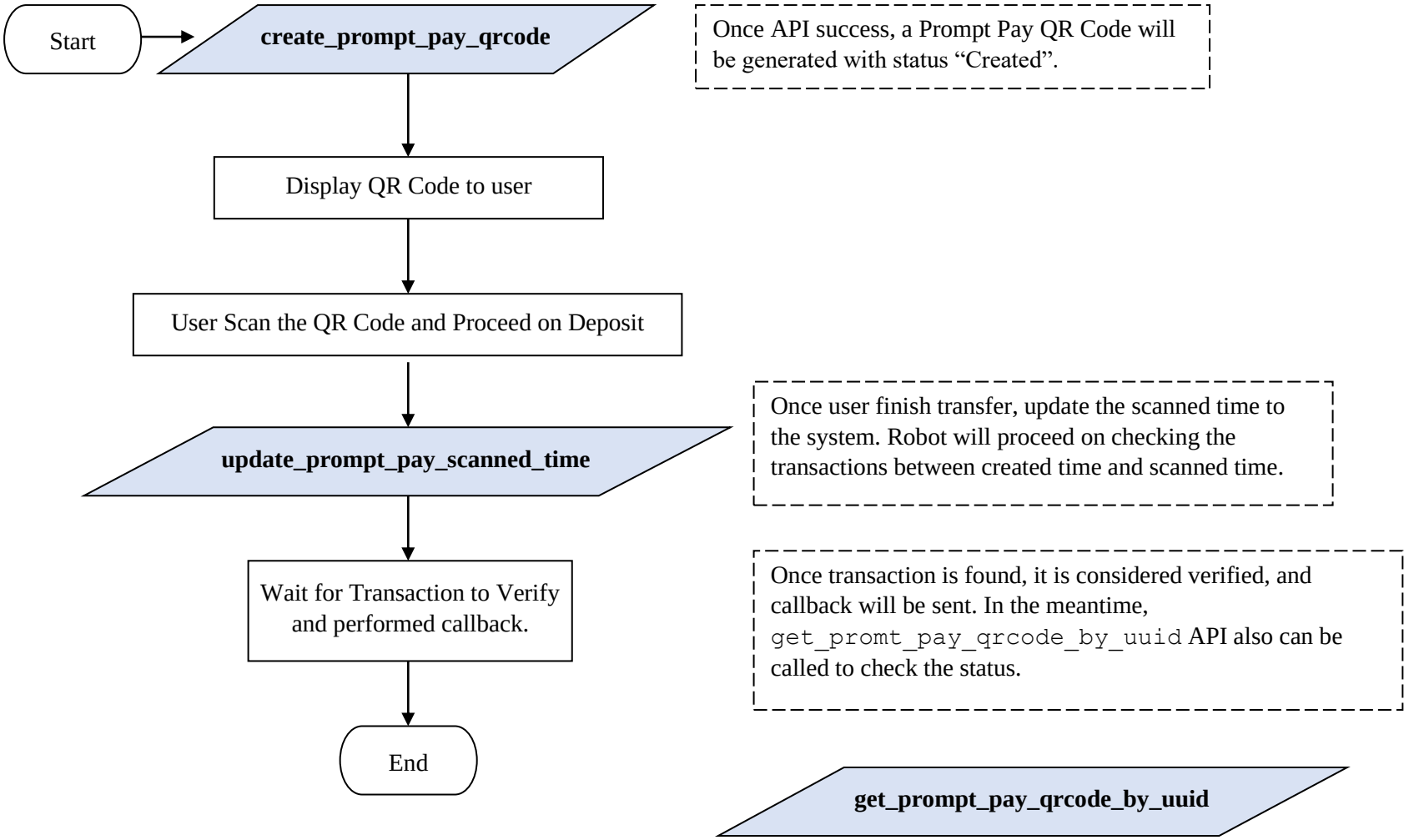


Appendix D

Prompt Pay QR Code Deposit flow (Payment Gateway Method)



Prompt Pay QR Code Deposit flow (Merchant Own Method)



Appendix E

Transfer Call Back

A POST request will be sent to the URL specified by the `callback_url` param during the `create_transfer` API.

The call back will only send ONCE, and no response is needed for the call back.

The details of the call back are as follows:

Trigger Time	Format	Response Required

When the transfer is started	<pre>{
	"transfer_id":2,
	"amount":3000,
	"status":"S"
	}</pre>
		N/A

When the transfer encounter error during the process		
When the transfer is completed (either success or fail)		

Payment Gateway Deposit Call Back

A POST request will be sent to the URL specified by the `callback_url` param during the `create_pg_deposit` API.

The call back will only send ONCE, and no response is needed for the call back.

The details of the call back are as follows:

Trigger Time	Format	Response Required

When the deposit is started	{
	"deposit_id": 2,
	"token":"209bd21457c9916e5eed1e7420468f87",
	"signature":"a6996c12174381e363c06445ae05d4f9",
	"amount":"3000",
	"ref":"Testing",
	"status":"S",
	"error_message":""
	}
		N/A

When the deposit encounter error during the process		
When the deposit is completed (either success or fail)		

Prompt Pay QR Code Deposit Call Back

A POST request will be sent to the URL specified by the `callback_url` param during the `create_prompt_pay_qrcode` API.

The call back will only send ONCE, and no response is needed for the call back.

The details of the call back are as follows:

Trigger Time	Format	Response Required

When the Prompt Pay QR Code deposit is successfully verified.	{
	"uuid": "e14c4253-e32b-40f8-bda2-36c82e26111e",
	"amount": "1.00",
	"ref": "ref",
	"status": "V",
	"created_at": "2023-11-30T17:24:07.000000Z",
	"scanned_at": "2023-11-30T17:25:07.000000Z",
	"verified_at": "2023-11-30T17:26:07.000000Z"
	}
		N/A