# 1.1 支付API

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endpoint | http://121.33.253.75/inner/perform\_payment | | | |
| Method | POST | | | |
| Content Type | application/json;charset=UTF-8 | | | |
| Element Attributes | | | | |
| Name | Type | Existence | Macing | Remarks |
| appId | String(22) | Mandatory | Y | 应用号，区分广州校区和清水湾校区 |
| merUid | String(36) | Mandatory | Y | 订单类型，  境内-DOMES，包括微信，支付宝；  境外- OVERS，外卡支付；  银联-UPAY； |
| invNo | String(18) | Mandatory | Y | 订单号 |
| txnTime | String(19) | Mandatory | Y | 订单的交易时间yyyyMMddHHmmss+0800， |
| txnCcyCde | String(3) | Mandatory | Y | 固定填”CNY” |
| txnAmt | String(12) | Mandatory | Y | 订单金额，单位：元 |
| inAppFlg | String(1) | Mandatory | Y | In-app payment flag (Y/N), when set to'Y','callbackDispUrl' is ignored. |
| callbackDispUrl | String(1024) | Mandatory | Y | 支付成功后跳转到商户页面 |
| callbackAckUrl | String(1024) | Mandatory | Y |  |
| goodsName | String(40) | Optional | N | 商品名称 |
| goodsAddress | String(100) | Optional | N | 收货地址 |
| goodsNum | String(10) | Optional | N | 商品数量 |
| goodsId | String(10) | Optional | N | 商品编号 |
| customPhone | String(20) | Optional | N | 买家联系电话 |
| customId | String(100) | Optional | N | 买家用户名，学号 |
| orderRemark | String(100) | Optional | N | 订单备注 |
| merHint | String(40) | Optional | N | 商城提示 |
| hmac | String(128) | Mandatory | N | Hexadecimal values generated using HMAC (SHA-512) algorithm by using an assigned key. |

callbackDispUrl: If inAppFlg=N and the URL is provided, the URL will be called by the payment system for displaying the result after the process finished, ex: payment success/failure/error page. (The data passed to this URL should only be used for displaying, for record updating in your application please use the data return by "callbackAckUrl"), else inAppFlg=Y, fill in a one character space string.

callbackAckUrl: The URL to be called by the payment system for acknowledging the payment result, ex: payment success/failure/error result for record updating in your application. The retry duration calling to "callbackAckUrl" is 15/15/30/180/1800/1800/1800/3600 (seconds) until the application returns "ACK" (case sensitive) in the response body to payment system.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Response | | | | |
| Content Type | application/json;charset=UTF8 | | | |
| Element Attributes | | | | |
| Name | Type | Existence | Macing | Remarks |
| appId | String(22) | Mandatory | Y | 应用号 |
| merUid | String(36) | Mandatory | Y | 订单类型，  境内-DOMES；  境外-OVERS；  银联-UPAY; |
| invNo | String(18) | Mandatory | Y | 订单号 |
| txnCcyCde | String(3) | Mandatory | Y | 固定值CNY |
| txnAmt | String(17) | Mandatory | Y | 订单金额 |
| txnTime | String(19) | Mandatory | Y | 订单的交易时间 |
| inAppFlg | String(1) | Mandatory | Y | In-app payment flag (Y/N), when set to 'Y', 'checkoutUrl' will be filled with a one character space string |
| merId | String(20) | Mandatory | Y | 商户号 |
| checkoutUrl | String(1024) | Mandatory | Y | If inAppFlg=Y or errorFlg=Y, this field will be filled with a one character space string |
| errorFlg | String(1) | Mandatory | Y | 'Y': Process payment encountered error, for detail please refer to 'errorCde' and 'errorMsg'.  'N': Process payment successfully |
| errorCde | String(7) | Optional | N | If errorFlg=Y, then this field will include the error code for reference. |
| errorMsg | String(no limit) | Optional | N | If errorFlg=Y, then this field will include the relevant error message for reference. |
| hmac | String(128) | Mandatory | N | Hexadecimal values generated using HMAC (SHA-512) algorithm by using an assigned key. |

# 1.2 查询订单API

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endpoint | http://121.33.253.75/inner/query\_order | | | |
| Method | POST | | | |
| Content Type | application/json;charset=UTF-8 | | | |
| Element Attributes | | | | |
| Name | Type | Existence | Macing | Remarks |
| appId | String(22) | Mandatory | Y | 应用号 |
| merUid | String(36) | Mandatory | Y | 订单类型，  境内-DOMES；  境外- OVERS；  银联-UPAY |
| invNo | String(18) | Mandatory | Y | 订单号 |
| txnTime | String(19) | Mandatory | Y | 订单的交易时间yyyyMMddHHmmss+0800 |
| hmac | String(128) | Mandatory | N | Hexadecimal values generated using HMAC (SHA-512) algorithm by using an assigned key. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Response | | | | |
| Content Type | application/json;charset=UTF8 | | | |
| Element Attributes | | | | |
| Name | Type | Existence | Macing | Remarks |
| appId | String(22) | Mandatory | Y | 应用号 |
| merUid | String(36) | Mandatory | Y | 订单类型，  境内-DOMES；  境外-OVERS；  银联-UPAY; |
| invNo | String(18) | Mandatory | Y | 订单号 |
| txnCcyCde | String(3) | Mandatory | Y | 固定值CNY |
| txnAmt | String(17) | Mandatory | Y | 订单金额 |
| payAmt | String(17) | Mandatory | Y | 用户实际支付金额 |
| txnTime | String(19) | Mandatory | Y | 响应时间 |
| payTime | String(19) | Mandatory | Y | 支付完成时间  如果errorFlg是Y， 则payTime="" |
| payStatus | String(2) | Mandatory | Y | 支付状态，   1. 成功； 2. 失败； 3. 未知;   如果payStatus = 2， 则payTime="";  payType="";  如果errorFlg是Y， 则payStatus="" ; |
| payType | String(2) | Mandatory | Y | 支付方式：   1. UnionPay / 银联卡 2. 工行卡 3. Visa/Master 4. Wechat 5. Alipay   如果errorFlg是Y， 则payType="" |
| errorFlg | String(1) | Mandatory | Y | 'Y': Process query encountered error, for detail please refer to 'errorCde' and 'errorMsg'.  'N': Process query successfully, 见queryMsg详细信息 |
| errorCde | String(7) | Optional | N | If errorFlg=Y, then this field will include the error code for reference. |
| errorMsg | String(no limit) | Optional | N | If errorFlg=Y, then this field will include the relevant error message for reference. |
| queryMsg | String(1024) | Optional | N | 支付状态详情。  errorFlg=“N”时有可能有值。 |
| queryCode | String(20) | Optional | N | 支付状态码。  errorFlg=“N”时有可能有值。 |
| hmac | String(128) | Mandatory | N | Hexadecimal values generated using HMAC (SHA-512) algorithm by using an assigned key. |

# 1.3 errorCde & errorMsg

|  |  |
| --- | --- |
| errorCde | errorMsg |
| -100 | Gateway: Your hmac was wrong. |
| -200 | Gateway: MerUid was wrong. |
| -300 | Gateway: An exception occurred during hmac computing. |
| -400 | Gateway: An exception occurred calling checkout. |
| -500 | Gateway: Redis don’t have this order. |
| -600 | Gateway: Your MacData was not passed as required. |
| -1000 | Gateway: Database error occurred. |
| -2000 | Gateway: Database don’t have this order. |
| -10000 | Gateway: The response of UnionPay was not obtained. |
| -10001 | Gateway: The certificate needs to be updated, signature verification fails. |
| -10002 | Gateway: Check the request, order query failed or the order was not found. |
| -10003 | Gateway: order query failed, please check the cause. |
| -10004 | Gateway: order needs to be re-requested. |

# 1.4 支付方式

|  |  |  |
| --- | --- | --- |
| merUId | payType | Method |
| DOMES | 9 | Wechat |
| DOMES | 10 | Alipay |
| DOMES | 1 | UnionPay / 银联卡 |
| DOMES | 2 | 工行卡 |
| OVERS | 3 | Visa/Master/JCB/大来卡 |
| UPAY | 1 | UnionPay / 银联卡 |

# 1.5 关于测试用的IE浏览器安装控件

访问https://mybank.icbc.com.cn/icbc/newperbank/perbank3/frame/frame\_index.jsp

按提示安装控件

或者

下载安装网银助手 http://www.icbc.com.cn/icbc/html/download/EbankToolsSoftware/ICBCSetupIntegration.msi

我行线上收银台支持的浏览器：

|  |  |  |
| --- | --- | --- |
| 操作系统 | 支持浏览器类型 | 支持版本 |
| windows | IE | IE 7-11 |
| mac | safari | safari 7以上 |
| windows、mac | chrome | chrome 21-24.9 |

# 1.6 银联支付测试用卡

招商银行借记卡：6226090000000048

手机号：18100000000

密码：111101

短信验证码：111111（先点获取验证码之后再输入）

证件类型：01

证件号：510265790128303

姓名：张三

华夏银行贷记卡：6226388000000095

手机号：18100000000

cvn2：248

有效期：1225（12月25年）（后台接口注意格式YYMM需倒一下，应为2512）

短信验证码：111111（先点获取验证码之后再输入）

证件类型：01

证件号：510265790128303

姓名：张三

平安银行借记卡：6216261000000000018

手机号：13552535506

证件类型：01

证件号：341126197709218366

密码：123456

姓名：全渠道

短信验证码：111111（先点获取验证码之后再输入）

平安银行贷记卡：6221558812340000

手机号：13552535506

cvn2：123

有效期：1123（11月23年）（后台接口注意格式YYMM需倒一下，应为2311）

短信验证码：111111（先点获取验证码之后再输入）

姓名：互联网

证件类型：01

证件号：341126197709218366