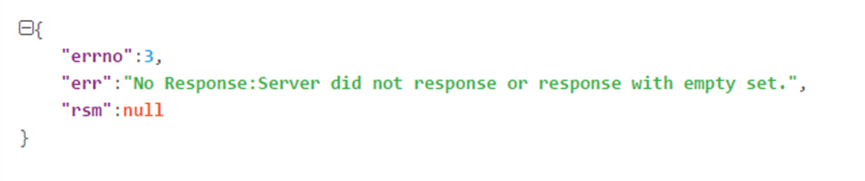
API接口说明：

1.Basic URL and basic response format：

【Still under consideration】

The format of response looks like this(Json format)：



“errno” means status of response (usually 0 means everything going well, other number means there are some problems.)

“err” shows the error information when errno doesn’t equals to 0. It is null when there is no error.

“rsm”(response message in short) shows the business data while the request and operation succeed.

2.interfaces’ format

The request URL shows like：

Basic URL/[[[[Under consideration]]]]

2.1 Error Information：

default：

errno：

0 – response OK

2 – wrong request/no authorization/request not exist

3 – empty result/empty response

4 – wrong parameters/missing parameters

5 – logical error (e.g. authorization failed)

6 – internal server error (e.g. system crashed)

## 2.2 All interfaces：

### 2.2.1 register

|  |  |
| --- | --- |
| Name | Register |
| Function | User registration  RegistrationPage.html |
| Method & parameters | Method: POST  Parameters：u\_name，u\_wechat\_id, u\_pw\_hash, u\_fullname，u\_email,parameters should not be empty except u\_fullname，u\_pw\_hash shall be a MD5 result， |
| Response  Format | {     "err":"",     "errno":0,     "rsm":{         "email":"sss@qwe.cn",         "fullname":"",         "id":11,         "name":"sb789",         "password":"",         "token":"d76a4fc0de324ef0fa5fde0a1eecf336",         "u\_id":11,         "u\_email":"sss@qwe.cn",         "u\_fullname":"",         "u\_name":"sb789",         "u\_pw\_hash":"",         "u\_token":"d76a4fc0de324ef0fa5fde0a1eecf336",         "u\_wechat\_id":"123",         "wechatid":"123"     } }//in the field only u\_id,u\_email, u\_name, u\_token, u\_wechat\_id is useful ,other records is useless. |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_name=sb789&u\_pw\_hash=202cb962ac59075b964b07152d234b70&u\_full\_name=&u\_email=sss%40qwe.cn&u\_wechat\_id=123)，  result shows like Response Format |

### 2.2.2login

|  |  |
| --- | --- |
| Name | login |
| Function | Login with u\_name and u\_pw\_hash  LoginPage.html |
| Parameters | Method: POST  Parameters：u\_name, u\_pw\_hash，parameters should not be empty，u\_pw\_hash shall be a MD5 result， |
| Response Format | {     "err":"",     "errno":0,     "rsm":{         "email":"sss@qwe.cn",         "fullname":"",         "id":11,         "name":"sb789",         "password":"",         "token":"d76a4fc0de324ef0fa5fde0a1eecf336",         "u\_email":"sss@qwe.cn",         "u\_fullname":"",         "u\_name":"sb789",         "u\_pw\_hash":"",         "u\_token":"d76a4fc0de324ef0fa5fde0a1eecf336",         "u\_wechat\_id":"123",         "wechatid":"123"     } }  //in the field only u\_id,u\_email, u\_name, u\_token, u\_wechat\_id is useful ,other records is useless. |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_name=sb789&u\_pw\_hash=202cb962ac59075b964b07152d234b70），  result shows like Response Format |

### 2.2.3myprofile

|  |  |
| --- | --- |
| Name | view\_points |
| Function | View points which have already transported into system  MyPointsPage.html |
| Parameters | Method: GET  Parameters：u\_id, u\_token. parameters should not be empty. |
| Response Format | {     "err":"",     "errno":0,     "rsm":{         "email":"",         "fullname":"",         "id":1,         "name":"",         "password":"",         "token":"20c2d5a8cc8318171a40f4691aef79b0",         "u\_email":"",         "u\_fullname":"",         "u\_id":1,         "u\_name":"",         "u\_pw\_hash":"",         "u\_token":"20c2d5a8cc8318171a40f4691aef79b0",         "u\_wechat\_id":"",         "wechatid":""     } }  ////in the field only u\_id,u\_email, u\_name, u\_token, u\_wechat\_id is useful ,other records is useless. |
| Example | GET access:  【URL still under consideration】  （parameters:  u\_id=1& u\_token=20c2d5a8cc8318171a40f4691aef79b0），  result shows like Response Format |

### 2.2.4view\_points

|  |  |
| --- | --- |
| Name | view\_points |
| Function | View points which have already transported into system  MyPointsPage.html |
| Parameters | Method: GET  Parameters：u\_id, u\_token. parameters should not be empty. |
| Response Format | {     "err":"",     "errno":0,     "rsm":[         {             "points":300,             "points\_blocked":0,             "seller\_id":5,             "seller\_name":"AIR CHINA",             "u\_id":1         },         {             "points":100,             "points\_blocked":0,             "seller\_id":6,             "seller\_name":"CATHAY PACIFIC",             "u\_id":1         },         {             "points":150,             "points\_blocked":0,             "seller\_id":7,             "seller\_name":"CHINA SOUTHERN AIRLINES",             "u\_id":1         },         {             "points":90,             "points\_blocked":0,             "seller\_id":8,             "seller\_name":"CHINA EASTERN",             "u\_id":1         },         {             "points":200,             "points\_blocked":0,             "seller\_id":9,             "seller\_name":"HAINAN AIRLINES",             "u\_id":1         }     ] } |
| Example | GET access:  【URL still under consideration】  （parameters:  u\_id=1& u\_token=20c2d5a8cc8318171a40f4691aef79b0），  result shows like Response Format |

### 2.2.5all\_records

|  |  |
| --- | --- |
| Name | all\_records |
| Function | View all records which user involved in  ExchangeStatus.html |
| Parameters | Method: GET  Parameters：u\_id, u\_token. parameters should not be empty. |
| Response Format | {     "err":"",     "errno":0,     "rsm":[         {             "offerFrom":1,             "offerTo":2,             "pointsFrom":200,             "pointsTo":400,             "rid":1,             "sellerFrom":0,             "sellerNameFrom":"AIR CHINA",             "sellerNameTo":"CATHAY PACIFIC",             "sellerTo":0,             "status":"CLOSED",             "updateTime":"2016-09-11 12:21:02.0",             "userFrom":1,             "userNameFrom":"",             "userNameTo":"555",             "userTo":5         },         {             "offerFrom":3,             "offerTo":4,             "pointsFrom":500,             "pointsTo":300,             "rid":2,             "sellerFrom":0,             "sellerNameFrom":"CHINA SOUTHERN AIRLINES",             "sellerNameTo":"CHINA EASTERN",             "sellerTo":0,             "status":"REMOVED",             "updateTime":"2016-10-12 12:22:12.0",             "userFrom":5,             "userNameFrom":"555",             "userNameTo":"",             "userTo":1         },         {             "offerFrom":5,             "offerTo":6,             "pointsFrom":650,             "pointsTo":300,             "rid":6,             "sellerFrom":0,             "sellerNameFrom":"AGRICULTURAL BANK OF CHINA",             "sellerNameTo":"CHINA CONSTRUCTION BANK",             "sellerTo":0,             "status":"DECLINED",             "updateTime":"2016-10-14 12:12:03.0",             "userFrom":5,             "userNameFrom":"555",             "userNameTo":"",             "userTo":1         }     ] } |
| Example | GET access:  【URL still under consideration】  （parameters:  u\_token=20c2d5a8cc8318171a40f4691aef79b0&u\_id=1），  result shows like Response Format |

### 2.2.6 getReference

|  |  |
| --- | --- |
| Name | getReference |
| Function | View up to 10 reference records in history from seller A to seller B (all result only shows the accepted deals)  ??? |
| Parameters | Method: GET  Parameters：seller\_from, seller\_to. parameters should not be empty. |
| Response Format | {     "errno":0,     "err":"",     "rsm":[         {             "r\_id":5,             "user\_from":3,             "user\_to":2,             "seller\_from":7,             "seller\_to":6,             "points\_from":500,             "ponits\_to":700,             "status":"closed"         }     ] } |
| Example | GET access:  【URL still under consideration】  （parameters:  Seller\_from=1& seller\_to=2），  result shows like Response Format |

### 2.2.7 making\_an\_offer(under construction)

(under construction)

|  |  |
| --- | --- |
| Name | making\_an\_offer |
| Function | If there is no good result, users can set his request as an offer and wait for other user start another request |
| Parameters | Method: POST  Parameters：seller\_from, seller\_to, points\_from, points\_to, u\_id, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"status"**:**”ok”**,,      } } |
| Example | POST access:  【URL still under consideration】  （parameters:  Seller\_from=1& seller\_to=2&points\_from=100&points\_to=120&u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

### 2.2.8 cancel\_offer(under construction)

(under construction)

|  |  |
| --- | --- |
| Name | cancel\_offer |
| Function | cancel offer |
| Parameters | Method: POST  Parameters：r\_id , u\_id, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"status"**:**”ok”**,,      } } |
| Example | POST access:  【URL still under consideration】  （parameters:  R\_id=25&u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

### 2.2.9 make\_request(under construction)

(under construction)

|  |  |
| --- | --- |
| Name | make\_request |
| Function | Making request(and fetch 2 offers) to trade |
| Parameters | Method: POST  Parameters：r\_id , u\_id\_to, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"status"**:**”ok”**,,      } } |
| Example | POST access:  【URL still under consideration】  （parameters:  R\_id=25&u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

### 2.2.10 reject\_request(under construction)

(under construction)

|  |  |
| --- | --- |
| Name | reject\_request |
| Parameters | Method: POST  Parameters：r\_id , u\_id\_to, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"status"**:**”ok”**,,      } } |
| Example | POST access:  【URL still under consideration】  （parameters:  R\_id=25&u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

### 2.2.11 accept\_request(under construction)

|  |  |
| --- | --- |
| Name | start\_request |
| Function | Start an exchange request and system will offer up to 5 recommendations of offer.(all results have the same status-- offering) |
| Parameters | Method: POST  Parameters：seller\_from, seller\_to, points\_from, points\_to, u\_id, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"recommend\_list"**:[             {                 **"r\_id"**:**7**,                 **"user\_from"**:**7**,                 **"user\_to"**:**””**,                 **"seller\_from"**:**9**,                 **"seller\_to"**:**8**,                 **"points\_from"**:**1000**,                 **"points\_to"**:**10**,                 **"status"**:**"offering"**             },             {                 **"r\_id"**:**8**,                 **"user\_from"**:**8**,                 **"user\_to"**:**””,**                 **"seller\_from"**:**9**,                 **"seller\_to"**:**8**,                 **"points\_from"**:**1000**,                 **"points\_to"**:**150**,                 **"status"**:**" offering "**             },             {                 **"r\_id"**:**9**,                 **"user\_from"**:**99**,                 **"user\_to"**:,                 **"seller\_from"**:**9**,                 **"seller\_to"**:**8**,                 **"points\_from"**:**100**,                 **"points\_to"**:**3**,                 **"status"**:**" offering "**             }         ]     } } |
| Example | POST access:  【URL still under consideration】  （parameters:  Seller\_from=1& seller\_to=2&points\_from=100&points\_to=120&u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

### 2.2.12 Read\_notification

|  |  |
| --- | --- |
| Name | Read\_notification |
| Parameters | Method: GET  Parameters：u\_id , u\_token. parameters should not be empty. |
| Response Format | {     "err":"",     "errno":0,     "rsm":[         {             "content":"test 2",             "notifiId":2,             "seen":0,             "status":1,             "userId":2         },         {             "content":"test3",             "notifiId":3,             "seen":1,             "status":3,             "userId":2         }     ] } |
| Example | GET access:  【URL still under consideration】  （parameters:  u\_id=2&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

### 2.2.13 seen\_notification

|  |  |
| --- | --- |
| Name | seen\_notification |
| Parameters | Method: POST  Parameters：u\_id , u\_token,n\_id. parameters should not be empty. |
| Response Format | {     "err":"",     "errno":0,     "rsm":[         {             "content":"test 2",             "notifiId":2,             "seen":0,             "status":1,             "userId":2         },         {             "content":"test3",             "notifiId":3,             "seen":1,             "status":3,             "userId":2         }     ] } |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_id=2&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |