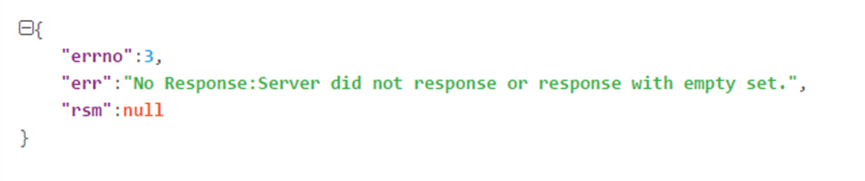
API接口说明：

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：

|  |  |
| --- | --- |
| Name | Register |
| Function | User registration |
| 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 | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"u\_id"**:**"13"**,         **"u\_name"**:**"Zhu"**,         **"u\_wechat\_id"**:**"233333333"**,        **"u\_fullname"**:**""**  **"**u\_email**":”sb@sb.com”**  **"u\_token"**:**"912ec803b2ce49e4a541068d495ab570"**      } } |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_name=zhu&u\_wechat\_id=2333333333333&u\_pw\_hash=7815696ecbf1c96e6894b779456d330e&u\_fullname=），  result shows like Response Format |

|  |  |
| --- | --- |
| Name | login |
| Function | Login with u\_name and u\_pw\_hash |
| Parameters | Method: POST  Parameters：u\_name, u\_pw\_hash，parameters should not be empty，u\_pw\_hash shall be a MD5 result， |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"u\_id"**:**"13"**,         **"u\_name"**:**"Zhu"**,         **"u\_wechat\_id"**:**"233333333"**,        **"u\_fullname"**:**""**  **"u\_token"**:**"912ec803b2ce49e4a541068d495ab570"**     } } |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_name=zhu& u\_pw\_hash=7815696ecbf1c96e6894b779456d330e），  result shows like Response Format |

|  |  |
| --- | --- |
| Name | add\_membership(aborted) |
| Function | Add membership between user and seller |
| Parameters | Method: POST  Parameters：u\_id, s\_id，u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"status"**:**"ok"**,     } }  (if failed)  {     **"errno"**:**5**,     **"err"**: **"membership does not exist"**,     **"rsm"**:null } |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_id=13&s\_id=12& u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

|  |  |
| --- | --- |
| Name | delete\_membership(aborted) |
| Function | delete membership between user and seller |
| Parameters | Method: POST  Parameters：u\_id, s\_id，u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"status"**:**"ok"**,     } }  (if failed)  {     **"errno"**:**5**,     **"err"**: **"membership does not exist"**,     **"rsm"**:null } |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_id=13&s\_id=12& u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

|  |  |
| --- | --- |
| Name | view\_points |
| Function | View points which have already transported into system |
| Parameters | Method: GET  Parameters：u\_id, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"list"**:[             {                 **"s\_id"**:**1**,                 **"points"**:**233**             },             {                 **"s\_id"**:**2**,                 **"points"**:**0**             },             {                 **"s\_id"**:**9**,                 **"points"**:**12580**             }         ]     } } |
| Example | GET access:  【URL still under consideration】  （parameters:  u\_id=13& u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

|  |  |
| --- | --- |
| Name | all\_records |
| Function | View all records which user involved in |
| Parameters | Method: GET  Parameters：u\_id, u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"record\_list"**:[             {                 **"r\_id"**:**1**,                 **"user\_from"**:**13**,                 **"user\_to"**:**14**,                 **"seller\_from"**:**1**,                 **"seller\_to"**:**2**,                 **"points\_from"**:**1000**,                 **"points\_to"**:**10**,                 **"status"**:**"accepted"**             },             {                 **"r\_id"**:**2**,                 **"user\_from"**:**13**,                 **"user\_to"**:**""**,                 **"seller\_from"**:**1**,                 **"seller\_to"**:**3**,                 **"points\_from"**:**1000**,                 **"points\_to"**:**120**,                 **"status"**:**"offering"**             },             {                 **"r\_id"**:**3**,                 **"user\_from"**:**11**,                 **"user\_to"**:**13**,                 **"seller\_from"**:**5**,                 **"seller\_to"**:**6**,                 **"points\_from"**:**1**,                 **"points\_to"**:**1**,                 **"status"**:**"accepted"**             }         ]     } } |
| Example | GET access:  【URL still under consideration】  （parameters:  u\_id=13& u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

|  |  |
| --- | --- |
| Name | reference\_records |
| 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"**:{         **"record\_list"**:[             {                 **"r\_id"**:**4**,                 **"user\_from"**:**998**,                 **"user\_to"**:**997**,                 **"seller\_from"**:**1**,                 **"seller\_to"**:**2**,                 **"points\_from"**:**1000**,                 **"points\_to"**:**10**,                 **"status"**:**"accepted"**             },             {                 **"r\_id"**:**5**,                 **"user\_from"**:**83**,                 **"user\_to"**:**46**,                 **"seller\_from"**:**1**,                 **"seller\_to"**:**2**,                 **"points\_from"**:**1000**,                 **"points\_to"**:**100**,                 **"status"**:**"accepted"**             },             {                 **"r\_id"**:**6**,                 **"user\_from"**:**99**,                 **"user\_to"**:**39**,                 **"seller\_from"**:**1**,                 **"seller\_to"**:**2**,                 **"points\_from"**:**100**,                 **"points\_to"**:**3**,                 **"status"**:**"accepted"**             }         ]     } } |
| Example | GET access:  【URL still under consideration】  （parameters:  Seller\_from=1& seller\_to=2），  result shows like Response Format |

|  |  |
| --- | --- |
| 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 |

|  |  |
| --- | --- |
| 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 |

|  |  |
| --- | --- |
| Name | modify\_offer(aborted) |
| Function | Modify offer |
| Parameters | Method: POST  Parameters：r\_id, 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:  R\_id=25&Seller\_from=1& seller\_to=2&points\_from=100&points\_to=120&u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |

|  |  |
| --- | --- |
| 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 |

|  |  |
| --- | --- |
| Name | accept\_offer |
| Function | Accept an offer when user click accept in 5 recommendations |
| 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 |

|  |  |
| --- | --- |
| Name | reject\_offer |
| 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 |

|  |  |
| --- | --- |
| Name | Read\_notification |
| Parameters | Method: GET  Parameters：r\_id , u\_token. parameters should not be empty. |
| Response Format | {     **"errno"**:**0**,     **"err"**:**""**,     **"rsm"**:{         **"notification"**:[             {                 **"time"**:**"2016-10-11 11:22:33"**,                 **"content"**:**"request-12 is completed"**             },             {                 **"time"**:**"2016-10-11 11:22:30"**,                 **"content"**:**"request-13 is decliend"**             }         ]     } } |
| Example | POST access:  【URL still under consideration】  （parameters:  u\_id=13&u\_token=912ec803b2ce49e4a541068d495ab570），  result shows like Response Format |