

FOOF Background Service

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Version

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Characteristics

- Docker
- Nginx
- WebPack
- koa
- Sequelize
- jwt

Run docker

```
1 docker run --network host -d -v [locationOfAvatarOnPhysicsMachine]:
  [locationOfAvatarOnContainer] hanyuufurude/foofserver:v[x]
```

- e.g.

```
1 docker run --network host -d -v /home/admin/avatar:/foof/avatar
  hanyuufurude/foofserver:v4
```

Warning

1. If you meet Exception like this

```
Error: Client does not support authentication protocol requested by server; consider
upgrading MySQL client
```

You are suggested to change the type of your password, please typeing like this:

```
1 alter user 'USER'@'localhost' identified with mysql_native_password by
  'PASSWORD'
2 flush privileges;
```

SQL table fields

users

1	+-----+-----+-----+-----+-----+-----+-----+						
2	Field	Type	Null	Key	Default	Extra	
3	+-----+-----+-----+-----+-----+-----+-----+						
4	uuid	int(11)	NO	PRI	NULL	auto_increment	
5	password	varchar(255)	NO		NULL		
6	username	varchar(255)	NO		NULL		
7	phonenumber	varchar(255)	NO		NULL		
8	idcard	varchar(255)	NO		NULL		
9	studentid	int(11)	NO		NULL		
10	address	varchar(255)	NO		NULL		
11	avatarurl	varchar(255)	NO		NULL		
12	verified	int(11)	NO		NULL		
13	score	int(11)	NO		NULL		
14	info	varchar(255)	NO		NULL		
15	+-----+-----+-----+-----+-----+-----+-----+						

items


```
1 | None
```

```
1 | None
```

```
1  //success
2  {
3    "uuid": 1,
4    "username": "新手咸鱼人员",
5    "avatarurl": "image\\avatar\\default.jpg",
6    "verified": 0,
7    "score": 10,
8    "info": "这家伙很懒，什么都没有写>^<",
9    "status": "success"
10 }
```

me

```
1 | POST \user\me
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1  {"表单数据":
   {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.iUssByf1HjPqWOMMcJMvqroJCaS1PKOBXUYYaS6dYU"}}}
```

```
1  //success
2  {
3    "uuid": 1,
4    "username": "新手咸鱼人员",
5    "phonenumner": "1",
6    "idcard": "",
7    "studentid": "0",
8    "address": "",
9    "avatarurl": "image\\avatar\\default.jpg",
10   "verified": 0,
11   "score": 10,
12   "info": "这家伙很懒，什么都没有写>^<",
13   "status": "success"
14 }
15 //wrong token
16 403 Forbidden
```

published

```
1 | POST \user\published
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1  {"表单数据":{"uuid":"1"}}}
```

```

1  [
2    {
3      "itemid": 5,
4      "uuid": 1,
5      "title": "未命名商品1",
6      "type": 1,
7      "price": 1.23,
8      "imgurl": "[      \"image\\\\\\\\item\\\\\\\\0.35113526938054584.jpg\",
\"image\\\\\\\\item\\\\\\\\0.5106340873338395.jpg\",
\"image\\\\\\\\item\\\\\\\\0.37461623290026935.jpg\",
\"image\\\\\\\\item\\\\\\\\0.887643214342515.jpg\"    ]",
9      "depreciation": 99,
10     "note": "然而并没什么描述",
11     "sold": -1,
12     "to": null
13   },
14   {
15     "itemid": 6,
16     "uuid": 1,
17     "title": "未命名商品2",
18     "type": 2,
19     "price": 3.99,
20     "imgurl": "[      \"image\\\\\\\\item\\\\\\\\0.35113526938054584.jpg\",
\"image\\\\\\\\item\\\\\\\\0.5106340873338395.jpg\",
\"image\\\\\\\\item\\\\\\\\0.37461623290026935.jpg\",
\"image\\\\\\\\item\\\\\\\\0.887643214342515.jpg\"    ]",
21     "depreciation": 99,
22     "note": "这里也没什么描述",
23     "sold": -2,
24     "to": null
25   }
26 ]

```

finished

```
1 | POST /user/finished
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```

1  {"表单数据":
   {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCI6IjoxNTY3NTk2MzAyfQ.ijUssByf1HjPqWOMMcJMvqroJCas1PKOBXUYYaS6dYU"}}

```

```

1  [
2    {
3      "itemid": 3,
4      "uuid": 1,
5      "title": "432",
6      "type": 798,
7      "price": 987,
8      "imgurl": "987",
9      "depreciation": 798,
10     "note": "987",

```

```

11     "sold": -2,
12     "to": 1
13 },
14 {
15     "itemid": 4,
16     "uuid": 1,
17     "title": "432",
18     "type": 798,
19     "price": 987,
20     "imgurl": "987",
21     "depreciation": 798,
22     "note": "987",
23     "sold": -2,
24     "to": 1
25 }
26 ]

```

login

```
1 | POST /user/login
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 | {"表单数据":{"phonenumber":"1","password":"1"}}
```

```

1  //success
2  {
3      "status": "success",
4      "info": {
5          "uuid": 1,
6          "username": "新手咸鱼人员",
7          "phonenumber": "1",
8          "idcard": "",
9          "studentid": "0",
10         "address": "",
11         "avatarurl": "image\\avatar\\default.jpg",
12         "verified": 0,
13         "score": 10,
14         "info": "这家伙很懒，什么都没有写>^<"
15     },
16     "token":
17     "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NzAyOTA0MywiaWF0IjoxNTY3NTk3MDI5fQ.fx-bxf7P55BU5ouvbGWTbzyTFZ-AH2JLpGLuVC58ge0"
18 // password incorrect
19 {
20     "status": "failure",
21     "info": "password incorrect"
22 }

```

register

```
1 | POST /user/register
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 | {"表单数据":{"phonenumber":"2","verifycode":"2","password":""}}
```

```
1 | // success
2 | {"status":"success"}
3 | // phone number already token
4 | {"status":"failure","info":"phone number already token"}
5 | // invaild request
6 | {"status":"failure","info":"invaild request"}
```

require verify code (phone number)

```
1 | POST /user/requirecode
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 | {"表单数据":{"phonenumber":"1"}}
```

```
1 | //success
2 | {"status":"success"}
```

upload avatar

- the request size is no greater than 1mb

```
1 | POST /user/avatar (avatar's max size: 1mb)
```

```
1 | Content-Type:multipart/form-data
```

```
1 | -----644897516845
2 |
3 | Content-Disposition: form-data; name="token"
4 |
5 |
6 |
7 | eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZW5lcmF0ZSI6MTU2NzI0NzkzMDk3MywiawF0IjoXNTY3MjQ3OTMwfQ.cQxtqPF7OkYPUovE1E115udo1CS54F6yOZxCbcc3mUM
8 |
9 | -----644897516845
10 |
11 | Content-Disposition: form-data; name="file"; filename="800px-
    %E5%8D%83%E6%81%8B%E4%B8%87%E8%8A%B1_%E8%8A%B3%E4%B9%83A10_%E5%BE%AE%E7%AC%9
    1.jpg"
12 |
13 | Content-Type: image/jpg
14 |
```

```
15  【文件载荷内容】
16  -----644897516845-----
```

```
1 //success
2 {
3   "status": "success",
4   "imgurl": [
5     "image\\item\\0.37298177116166853.jpg",
6     "image\\item\\0.8804691995112837.jpg",
7     "image\\item\\0.1519560908440687.jpg",
8     "image\\item\\0.18944967144424818.jpg"
9   ]
10 }
11 //wrong token
12 403 Forbidden
```

modify

- this interface will accept the request whether the request contains password or not. if you don't want to change your password, please do not request this fields.
- however, you have to copy the value of the fields of other fields even you don't want to change those;

```
1 | POST \user\modify
```

```
1 Const-Type:application/x-www-form-urlencoded
```

```
1  {"表单数据":
  {"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJpZnV5cmF0ZSI6MTU2NzI1NTA2MDEzNiwiawF0IjoxNTY3MjU1MDYwfQ.-lowPB14QFyw9idh9QAAtjIITToehPB9isdgDZ183ki", "username": "wakamiyaEve", "password": "1111", "idcard": "1", "studentid": "2", "address": "M3c", "info": "no"}}
```

```
1 // success
2 {
3   "status": "success"
4 }
5 //wrong token
6 403 Forbidden
```

require verify code (email)

```
1 | POST /user/mail/verify
```

```
1  Const-Type:application/x-www-form-urlencoded
```

```
1  {"表单数据":  
  {"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJpZ3Q9cmF0ZSI6MTU2NzYwNTM0ODY4ODswIawF0IjoxNTY3NjA1Mzg4fQ. jCF-T3w_Z_E9u6GnZJY2ofB0n4kxLk3f9j14vJmg"} }
```



```
1 | // success
2 | {"status": "success"}
```

verify code (mail)

```
1 | GET /user/mail/verify/:token
```

```
1 | none
```

```
1 | //success
2 | {"status": "success"}
```

Items

query

```
1 | GET /item/[itemid]
```

```
1 | None
```

```
1 | //success
2 | {
3 |   "itemid": 1,
4 |   "uuid": 1,
5 |   "title": "432",
6 |   "type": 798,
7 |   "price": 987,
8 |   "imgurl": "987",
9 |   "depreciation": 798,
10 |  "note": "987",
11 |  "sold": 987,
12 |  "to": 0,
13 |  "status": "success"
14 | }
15 | //no item
16 | {"status": "none"}
```

add

```
1 | POST \item\add
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":  
  {"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.ijUssByf1HjPqWOMMcJMvqroJCaS1PKOBXUYaS6dYU", "title": "未命名商品1", "type": "1", "price": "1.23", "imgurl": "[++++\\\"image\\\\\\\\item\\\\\\\\0.35113526938054584.jpg\\\",++++\\\"image\\\\\\\\item\\\\\\\\0.5106340873338395.jpg\\\",++++\\\"image\\\\\\\\item\\\\\\\\0.37461623290026935.jpg\\\",++++\\\"image\\\\\\\\item\\\\\\\\0.887643214342515.jpg\\\"+++]", "depreciation": "99", "note": "然而并没什么描述", "sold": "-1"}}
```

```
1 //success  
2 {"status": "success"}  
3 //no item  
4 {"status": "none"}  
5 //wrong token  
6 403 Forbidden
```

upload image

- The name property of the file is arbitrary and the request size is no greater than 1mb

```
1 POST \item\image
```

```
1 Content-Type: multipart/form-data
```

```
1 请求载荷 (payload)  
2  
3  
4 -----5005412110300  
5  
6 Content-Disposition: form-data; name="token"  
7  
8  
9  
10 eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzI0ODU5OTI4OSwiaWF0IjoxNTY3MjQ4NTk5fQ.ezvX48rpjAAzd6Bwr3eFrSCnrQT_3SGoXID1NSWaa_8  
11  
12 -----5005412110300  
13  
14 Content-Disposition: form-data; name="file0";  
15 filename="Hoshikawa_Hotaru.png"  
16  
16 Content-Type: image/png  
17 【文件载荷】  
18 -----5005412110300  
19  
20 Content-Disposition: form-data; name="file1"; filename="23984.png"  
21  
22 Content-Type: image/png  
23 【文件载荷】  
24 -----5005412110300  
25  
26 Content-Disposition: form-data; name="file2"; filename="24370.png"  
27  
28 Content-Type: image/png
```

```
29  【文件载荷】
30  -----5005412110300
31
32  Content-Disposition: form-data; name="file3"; filename="53-098.png"
33
34  Content-Type: image/png
35  【文件载荷】
36  -----5005412110300
```

```
1  // success
2  {
3    "status": "success",
4    "imgurl": [
5      "image\\item\\0.35113526938054584.jpg",
6      "image\\item\\0.5106340873338395.jpg",
7      "image\\item\\0.37461623290026935.jpg",
8      "image\\item\\0.887643214342515.jpg"
9    ]
10 }
11 // file too large
12 413 Request Entity Too Large
13 //wrong token
14 403 Forbidden
```

modify

```
1 | POST /item/modify
```

```
1 | Content-Type:multipart/form-data
```

```
1  {"表单数据":
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzI1NTA2MDEZniwiawF0IjoxNTY3MjU1MDYwfQ.-1owPB14QFyw9idh9QAAtjIITTOehPB9iSdgDZ183ki","itemid":"1","title":"小米充电宝","type":"2","price":"299.9","imgurl":{"++\\"imgurl\":"+
[++++\\"image\\\\item\\\\0.21266930758871538.jpg\\",++++\\"image\\\\item\\\\0.4408016895777478.jpg\\",++++\\"image\\\\item\\\\0.7268863338186755.jpg\\",++++\\"image\\\\item\\\\0.7410747437739387.jpg\\"++]+}","depreciatione":"98","note":"一块钱四个","sold":"-1"}}}
```

```
1  // success
2  {"status":"success"}
3  //wrong token
4  403 Forbidden
```

trade

```
1 | POST /item/trade
```

```
1 | Content-Type:multipart/form-data
```

```
1 {"表单数据":
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-9w","itemid":"1"}}
```

```
1 //success
2 {
3   "status":"success"
4 }
5 // not for trade
6 {
7   "status": "failure",
8   "info": "item not availabe for trade"
9 }
```

Favorites

query

```
1 POST /fav/query
```

```
1 Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-9w"}}
```

```
1 {
2   "status": "success",
3   "res": [
4     {
5       "id": 5,
6       "itemid": 3,
7       "uuid": 1
8     },
9     {
10      "id": 7,
11      "itemid": 1,
12      "uuid": 1
13    },
14    {
15      "id": 8,
16      "itemid": 2,
17      "uuid": 1
18    },
19    {
20      "id": 9,
21      "itemid": 3,
22      "uuid": 1
23    },
24    {
25      "id": 10,
```

```

26     "itemid": 4,
27     "uuid": 1
28 },
29 {
30     "id": 11,
31     "itemid": 5,
32     "uuid": 1
33 },
34 {
35     "id": 12,
36     "itemid": 6,
37     "uuid": 1
38 },
39 {
40     "id": 13,
41     "itemid": 7,
42     "uuid": 1
43 },
44 {
45     "id": 14,
46     "itemid": 8,
47     "uuid": 1
48 },
49 {
50     "id": 15,
51     "itemid": 9,
52     "uuid": 1
53 }
54 ]
55 }

```

add

- the field of data is a json string list of itemid that you wanna to add to your favorites.

```
1 | POST /fav/add
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```

1 | {"表单数据":
  | {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NZU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.ijUssByf1HjPqWOMMcJMvqroJCaS1PKOBXUY
  | YaS6dYU","data":"[1,2,3]"}

```

```

1 | //success
2 | {
3 |     "status": "success"
4 | }

```

delete

- the field of data is a json string list of itemid that you wanna to delete from your favorites.

```
1 | POST /fav/delete
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 | {"表单数据":  
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-9w","data":"[1,2,3]"}}
```

```
1 | {  
2 |   "status": "success"  
3 | }
```

Message

send message

```
1 | POST /user/chat/push
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 | {"表单数据":  
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-9w","to":"1","data":"hi,+world."}}}
```

```
1 | //success  
2 | {"status":"success"}
```

fetch new message

- this interface will only return messages that have never been fetched.
- we suggest that you use this to check whether you have a new message or not.

```
1 | POST /user/chat/fetchnew
```

```
1 | The name property of the file is arbitrary and the request size is no greater than 2mb
```

```
1 | {"表单数据":  
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-9w"}}}
```

```
1 | {  
2 |   "status": "success",  
3 |   "data": [  
4 |     {
```

```

5     "id": 2,
6     "from": 1,
7     "to": 1,
8     "data": "hi, world.",
9     "fetched": false,
10    "createdAt": "2019-09-04T14:29:05.000Z",
11    "updatedAt": "2019-09-04T14:29:05.000Z"
12  }
13 ]
14 }

```

fetch all message

- if you lost your message or want to sync you message record, it's a good choice

```
1 | POST /user/chat/fetchall
```

```
1 | Content-Type: application/x-www-form-urlencoded
```

```

1  {"表单数据":
   {"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qsn7HyPmLpQXHcaBoy1Nvi960TSEgvG4X-9w"}}

```

```

1  {
2    "status": "success",
3    "data": [
4      {
5        "id": 1,
6        "from": 1,
7        "to": 1,
8        "data": "hi",
9        "fetched": true,
10       "createdAt": "2019-09-04T07:17:22.000Z",
11       "updatedAt": "2019-09-04T07:37:56.000Z"
12     },
13     {
14       "id": 2,
15       "from": 1,
16       "to": 1,
17       "data": "hi, world.",
18       "fetched": true,
19       "createdAt": "2019-09-04T14:29:05.000Z",
20       "updatedAt": "2019-09-04T14:36:32.000Z"
21     }
22   ]
23 }

```

define of sold

```
1  sold:
2  {
3    sale: 1,
4    sold: 2,
5    want: -1,
6    got: -2,
7  }
```

Search

- todo