Loan Application API Document

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1. Register

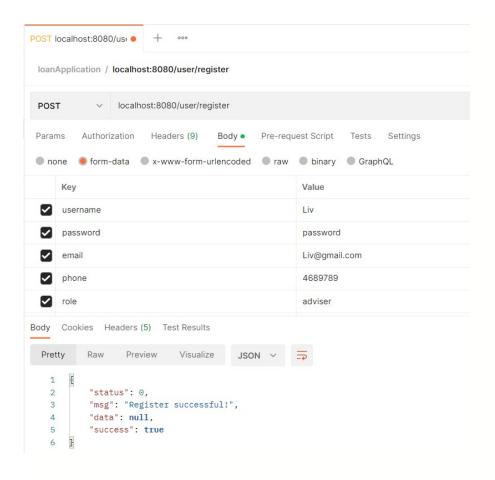
localhost:8080/user/register

Request:

Method: POST Type: form-data

Key	value
username	Livia
password	password
email	Livia@gmail.com
phone	45584558
role	customer (or adviser)

```
Response:
Success:
    "status": 0,
   "msg": "Register successful!",
   "data": null,
    "success": true
}
Fail:
   "status": 1,
   "msg": "The user name is already existed.",
    "data": null,
    "success": false
Fail:
{
   "status": 2,
    "msg": "username,password,email,role are necessary fields.",
    "data": null,
    "success": false
}
```



2. Login

localhost:8080/user/login

Request:

Method: POST Type: form-data

Key	value
username	Livia
password	password

Response:

```
Success:
{
    "status": 0,
    "msg": "Login successful!",
    "data": {
        "id": 6,
        "username": "user3",
        "password": "",
        "email": "user3@gmail.com",
        "phone": "4689789",
        "role": "adviser",
```

```
"createTime": "2023-03-30T12:24:56.000+0000",
         "updateTime": "2023-03-30T12:24:56.000+0000"
    },
    "success": true
}
Fail:
{
    "status": 1,
    "msg": "Wrong Password.",
    "data": null,
    "success": false
}
Fail:
{
    "status": 1,
    "msg": "The user name does not exist.",
    "data": null,
    "success": false
}
 IoanApplication / Iocalhost:8080/user/login
             ∨ localhost:8080/user/login
         Authorization Headers (10) Body •
                                               Pre-request Script
 none form-data x-www-form-urlencoded raw binary GraphQL
      Key
                                                      Value
                                                                                                      Descripti
: username
                                              Text ∨ Liv
  password
                                                      password
                                                                                         Status: 200 OK Tim
Body Cookies (1) Headers (6) Test Results
  Pretty
                             Visualize JSON V
                 Preview
            "status": 0,
    3
            "msg": "Login successful!",
    4
            "data": {
               "id": 9,
    5
               "username": "Liv",
"password": "",
"email": "Liv@gmail.com",
"phone": "4689789",
    8
    9
               "role": "adviser",
   10
               "createTime": "2023-04-02T11:09:44.000+0000",
   11
                "updateTime": "2023-04-02T11:09:44.000+0000"
   12
            "success": true
```

3. Logout

```
Request:
Method: POST
Response:
{
     "status": 0,
     "msg": null,
    "data": null,
     "success": true
  POST
              ∨ localhost:8080/user/logout
  Params Authorization Headers (9) Body Pre-request Script Tests Settings
  Query Params
       Key
                                                          Value
                                                          Value
 Body Cookies (1) Headers (5) Test Results
                    Preview Visualize JSON V
   Pretty
             "status": 0,
"msg": null,
"data": null,
"success": true
     4 5
```

4. Add Application

localhost:8080/loan/addApplication

Request:

Response:

Method: POST Type: form-data

Key	value
fullName	Livia
loanAmount	100
equityAmount	500
salaryAmount	300

```
Success:
{
    "status": 0,
    "msg": "Apply successful!",
    "data": null,
```

"success": true

}
Fail:

```
"status": 2,
   "msg": "fullName,loanAmount are necessary fields.",
   "data": null,
   "success": false
}
                   localhost:8080/loan/addApplication
   POST
                                                                          Settings
  Params
           Authorization
                         Headers (10)
                                        Body •
                                                Pre-request Script
                                                                  Tests
  none form-data x-www-form-urlencoded
                                               raw binary GraphQL
   fullName
                                                        Livia Mos
 ii 🔽 loanAmount
                                                      100
                                                Text v
   equityAmount
                                                        900
   salaryAmount
                                                        80
 Body Cookies (1) Headers (5) Test Results
   Pretty
             Raw
                    Preview
                               Visualize
                                           JSON
     1
     2
             "status": 0,
             "msg": "Apply successful!",
     3
             "data": null,
     4
     5
             "success": true
     6
```

5. Get Application List

localhost:8080/loan/getApplicationList

"status": 0,
"msg": null,
"data": {

"pageNum": 1,
"pageSize": 4,
"size": 4,
"orderBy": null,

```
Request:

Method: POST Type: form-data

Key value

pageNum 1(default)

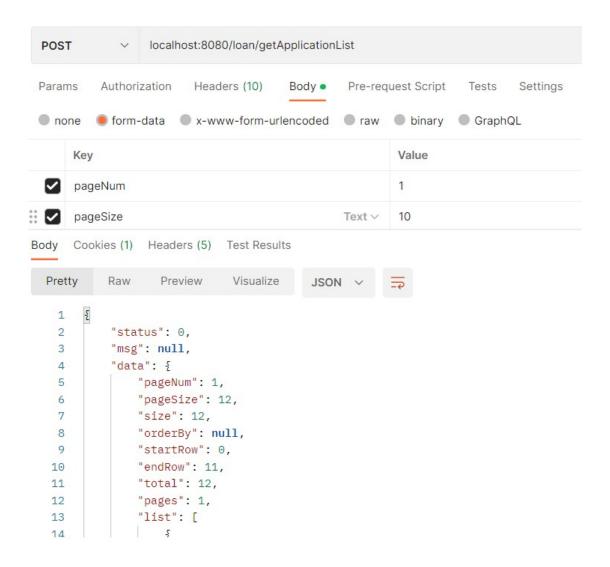
pageSize 10(default)

Response:

Success:
{
```

```
"startRow": 0,
"endRow": 3,
"total": 4,
"pages": 1,
"list": [
   {
       "id": 1,
       "customerSsn": "user1",
       "fullName": "nameA",
       "loanAmount": 80.00,
        "equityAmount": 900.00,
       "salaryAmount": 80.00,
       "createTime": "2023-03-30T12:08:42.000+0000",
        "updateTime": "2023-03-30T12:08:42.000+0000"
   },
   {
       "id": 2,
       "customerSsn": "user2",
       "fullName": "nameB",
        "loanAmount": 60.00,
        "equityAmount": 900.00,
        "salaryAmount": 80.00,
        "createTime": "2023-03-30T12:21:26.000+0000",
        "updateTime": "2023-03-30T12:21:26.000+0000"
   },
   {
       "id": 3,
       "customerSsn": "user2",
       "fullName": "nameB",
        "loanAmount": 70.00,
        "equityAmount": 900.00,
       "salaryAmount": 80.00,
        "createTime": "2023-03-30T12:22:15.000+0000",
        "updateTime": "2023-03-30T12:22:15.000+0000"
   },
   {
       "id": 4,
        "customerSsn": "user2",
       "fullName": "nameB",
        "loanAmount": 100.00,
        "equityAmount": 900.00,
        "salaryAmount": 80.00,
        "createTime": "2023-03-30T21:12:01.000+0000",
        "updateTime": "2023-03-30T21:12:01.000+0000"
```

```
}
        ],
       "firstPage": 1,
       "prePage": 0,
       "nextPage": 0,
       "lastPage": 1,
       "isFirstPage": true,
       "isLastPage": true,
       "hasPreviousPage": false,
       "hasNextPage": false,
       "navigatePages": 8,
       "navigatepageNums": [
       ]
   },
    "success": true
}
Fail:
{
   "status": 10,
   "msg": "User didn't login, please login first.",
   "data": null,
   "success": false
}
```



6. How to run the application

```
Step 1. Install Idea, Java 8, maven, Mysql 8, git
```

Step 2. Git clone code to your working folder

Step 3. Install all the maven denpendency

Step 4. Modify the "application.propertise" file, set the database connection information as your own.

Step 5. Run the application