

Loan Application API Document

- 1. Register 2
- 2. Login 3
- 3. Logout 4
- 4. Add Application5
- 5. Get Application List 6
- 6. How to run the application9

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
}
```

POST localhost:8080/user/register

loanApplication / localhost:8080/user/register

POST localhost:8080/user/register

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

Key	Value
<input checked="" type="checkbox"/> username	Liv
<input checked="" type="checkbox"/> password	password
<input checked="" type="checkbox"/> email	Liv@gmail.com
<input checked="" type="checkbox"/> phone	4689789
<input checked="" type="checkbox"/> role	adviser

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "status": 0,
3    "msg": "Register successful!",
4    "data": null,
5    "success": true
6  }

```

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
}

```

loanApplication / localhost:8080/user/login

POST localhost:8080/user/login

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

	Key	Value	Description
<input checked="" type="checkbox"/>	username	Liv	
<input checked="" type="checkbox"/>	password	password	

Body Cookies (1) Headers (6) Test Results ⌚ Status: 200 OK Time

Pretty Raw Preview Visualize JSON ⌵ ⌵

```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
{
  "status": 0,
  "msg": "Login successful!",
  "data": {
    "id": 9,
    "username": "Liv",
    "password": "",
    "email": "Liv@gmail.com",
    "phone": "4689789",
    "role": "adviser",
    "createTime": "2023-04-02T11:09:44.000+0000",
    "updateTime": "2023-04-02T11:09:44.000+0000"
  },
  "success": true
}

```

3. Logout

localhost:8080/user/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
Key	Value

Body Cookies (1) Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "status": 0,
3   "msg": null,
4   "data": null,
5   "success": true
6 }
```

4. Add Application

localhost:8080/loan/addApplication

Request:

Method: POST Type: form-data

Key	value
fullName	Livia
loanAmount	100
equityAmount	500
salaryAmount	300

Response:

Success:

```
{
  "status": 0,
  "msg": "Apply successful!",
  "data": null,
  "success": true
}
```

Fail:

```
{
```

```

    "status": 2,
    "msg": "fullName,loanAmount are necessary fields.",
    "data": null,
    "success": false
}

```

POST localhost:8080/loan/addApplication

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

<input checked="" type="checkbox"/>	fullName	Livia Mos
<input checked="" type="checkbox"/>	loanAmount	100
<input checked="" type="checkbox"/>	equityAmount	900
<input checked="" type="checkbox"/>	salaryAmount	80

Body Cookies (1) Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "status": 0,
3    "msg": "Apply successful!",
4    "data": null,
5    "success": true
6  }

```

5. Get Application List

localhost:8080/loan/getApplicationList

Request:

Method: POST Type: form-data

Key	value
pageNum	1(default)
pageSize	10(default)

Response:

Success:

```

{
  "status": 0,
  "msg": null,
  "data": {
    "pageNum": 1,
    "pageSize": 4,
    "size": 4,
    "orderBy": null,

```

```
"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": [  
    1  
  ]  
},  
"success": true  
}
```

Fail:

```
{  
  "status": 10,  
  "msg": "User didn't login, please login first.",  
  "data": null,  
  "success": false  
}
```


POST localhost:8080/loan/getApplicationList

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

☐ none
 ☒ form-data
 ☐ x-www-form-urlencoded
 ☐ raw
 ☐ binary
 ☐ GraphQL

	Key	Value
<input checked="" type="checkbox"/>	pageNum	1
<input checked="" type="checkbox"/>	pageSize	10

Body Cookies (1) Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "status": 0,
3    "msg": null,
4    "data": {
5      "pageNum": 1,
6      "pageSize": 12,
7      "size": 12,
8      "orderBy": null,
9      "startRow": 0,
10     "endRow": 11,
11     "total": 12,
12     "pages": 1,
13     "list": [
14       {
  
```

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 dependency

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

Step 5. Run the application