API DOCS

User Register

URI : /api/users/register

Method: POST

Request-Body :

       Type: urlencoded / (HTML form)

       Required-Keys : name, email, password

Success-Response :

```
"_id": "6288dcc5dfa4158cedc9ce72",
"name": "Christopher",
"email": "christopher@mail.com",
"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
    eyJpZCI6IjYyODhkY2M1ZGZhNDE1OGNlZGM5Y2U3MiIsImlhdCI6MTY1MzEzNjkxNCwiZXhwIjoxNjU1NzI4OTE0fQ.
    e8RhGaB4lLKb2TmoMoNVPD41Ueg_JwJq25l46s_M0fU"
```

Created-Object:

```
_id: ObjectId('6288dcc5dfa4158cedc9ce72')
name: "Christopher"
email: "christopher@mail.com"
password: "$2a$10$CIZq.NhV1VC0vB49K9Si.eSeUA0HFLvpuVPwWup7GQoKwe8NIQpC."
createdAt: 2022-05-21T12:36:21.124+00:00
updatedAt: 2022-05-21T12:36:21.124+00:00
__v: 0
```

User Login

URI : /api/users/login

Method: POST

Request-Body :

       Type: urlencoded / (HTML form)

       Required-Keys : email, password

Success-Response :

```
"_id": "6288dcc5dfa4158cedc9ce72",
"name": "Christopher",
"email": "christopher@mail.com",
"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
    eyJpZCI6IjYyODhkY2M1ZGZhNDE1OGNlZGM5Y2U3MiIsImlhdCI6MTY1MzEzNjkxNCwiZXhwIjoxNjU1NzI4OTE0fQ.
    e8RhGaB4lLKb2TmoMoNVPD41Ueg_JwJq25l46s_M0fU"
```

User Get Profile

URI : /api/users/profile

Method: GET

Authorization: Bearer token

```
"token": "eyJhbGci0iJIUzI1NiIsInR5cCI6IkpXVCJ9.
    eyJpZCI6IjYyODhkY2M1ZGZhNDE1OGNlZGM5Y2U3MiIsImlhdCI6MTY1MzEzNjkxNCwiZXhwIjoxNjU1NzI4OTE0fQ.
    e8RhGaB41LKb2TmoMoNVPD41Ueg_JwJq25146s_M0fU"
```

Request-Body :

      Type: urlencoded / (HTML form)

      Required-Keys : name, email, password

Success-Response :

```
"id": "6288dcc5dfa4158cedc9ce72",
"name": "Christopher",
"email": "christopher@mail.com"
```

Create a Group

URI : /api/groups

Method: POST

Authorization: Bearer token

Request-Body :

       Type: urlencoded / (HTML form)

       Required-Keys : title, description, tag

       Optional-Key: public = "yes" | (To create a public group, will be a private group if the key is not specified)

Success-Response :

```
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"settings": {
    "isOpenToPublic": true
},
"_id": "628b27b9bcd21f08c9260510",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b27babcd21f08c9260512"
    }
],
"createdAt": "2022-05-23T06:20:42.002Z",
"updatedAt": "2022-05-23T06:20:42.002Z",
"__v": 0
```

Created-Object:

```
_id: ObjectId("628b27b9bcd21f08c9260510")
groupFounder: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
title: "Soft-Dev Kelompok 9"
description: "Kelompok 9 mata kuliah software development"
tag: "education"
settings: Object
    isOpenToPublic: true
members: Array
    0: Object
        role: "Owner"
        userID: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
        name: "Christopher"
        _id: ObjectId("628b27babcd21f08c9260512")
createdAt: 2022-05-23T06:20:42.002+00:00
updatedAt: 2022-05-23T06:20:42.044+00:00
__v: 1
```

Delete a Group

URI : /api/groups/:id

Method: DELETE

Authorization: Bearer token

Success-Response :

```
"settings": {
    "isOpenToPublic": true
},
"_id": "628b27b9bcd21f08c9260510",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b27babcd21f08c9260512"
    }
],
"createdAt": "2022-05-23T06:20:42.002Z",
"updatedAt": "2022-05-23T06:20:42.044Z",
"__v": 1
```

Deleted-Object:

```
_id: ObjectId("628b28a0bcd21f08c926051c")
groupFounder: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
title: "Soft-Dev Kelompok 9"
description: "Kelompok 9 mata kuliah software development"
tag: "education"
settings: Object
    isOpenToPublic: true
members: Array
    0: Object
        role: "Owner"
        userID: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
        name: "Christopher"
        _id: ObjectId("628b28a0bcd21f08c926051e")
createdAt: 2022-05-23T06:24:32.910+00:00
updatedAt: 2022-05-23T06:24:32.942+00:00
__v: 1
```

Modify a Group

URI : /api/groups/:id

Method: PUT

Authorization: Bearer token

Request-Body :

      Type: urlencoded / (HTML form)

      Required-Keys : title, description, tag

Success-Response

```
"settings": {
    "isOpenToPublic": true
},
"_id": "628b2a35bcd21f08c9260538",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b2a35bcd21f08c926053a"
    }
],
"createdAt": "2022-05-23T06:31:17.493Z",
"updatedAt": "2022-05-23T06:33:21.262Z",
"__v": 1,
"public": "yes"
```

Get all joined Groups (Including the ones that you created)

URI : /api/groups/

Method: GET

Authorization: Bearer token

Success-Response :

```json
{
    "settings": {
        "isOpenToPublic": true
    },
    "_id": "628b2942bcd21f08c926052c",
    "groupFounder": "628b0e553a8ee6c2c3a6cacf",
    "title": "Soft-Dev Kelompok 9 test 2",
    "description": "Kelompok 9 mata kuliah software development",
    "tag": "education",
    "members": [
        {
            "role": "Owner",
            "userID": "628b0e553a8ee6c2c3a6cacf",
            "name": "Benny",
            "_id": "628b2942bcd21f08c926052e"
        }
    ],
    "createdAt": "2022-05-23T06:27:14.626Z",
    "updatedAt": "2022-05-23T06:27:14.657Z",
    "__v": 1
},
{
    "settings": {
        "isOpenToPublic": true
    },
    "_id": "628b2a35bcd21f08c9260538",
    "groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
    "title": "Soft-Dev Kelompok 9",
    "description": "Kelompok 9 mata kuliah software development",
    "tag": "education",
    "members": [
        {
            "role": "Owner",
            "userID": "628b0dbd3a8ee6c2c3a6cac1",
            "name": "Christopher",
            "_id": "628b2a35bcd21f08c926053a"
        }
    ],
    "createdAt": "2022-05-23T06:31:17.493Z",
    "updatedAt": "2022-05-23T06:33:21.262Z",
    "__v": 1,
    "public": "yes"
}
```

Get all Owned Groups

URI : /api/groups/owned

Method: GET

Authorization: Bearer token

Success-Response :

```json
{
    "settings": {
        "isOpenToPublic": true
    },
    "_id": "628b2a35bcd21f08c9260538",
    "groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
    "title": "Soft-Dev Kelompok 9",
    "description": "Kelompok 9 mata kuliah software development",
    "tag": "education",
    "members": [
        {
            "role": "Owner",
            "userID": "628b0dbd3a8ee6c2c3a6cac1",
            "name": "Christopher",
            "_id": "628b2a35bcd21f08c926053a"
        }
    ],
    "createdAt": "2022-05-23T06:31:17.493Z",
    "updatedAt": "2022-05-23T06:33:21.262Z",
    "__v": 1,
    "public": "yes"
}
```

Get all Groups you Joined

URI : /api/groups/joined

Method: GET

Authorization: Bearer token

Success-Response :

```json
{
    "settings": {
        "isOpenToPublic": true
    },
    "_id": "628b2a35bcd21f08c9260538",
    "groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
    "title": "Soft-Dev Kelompok 9",
    "description": "Kelompok 9 mata kuliah software development",
    "tag": "education",
    "members": [
        {
            "role": "Owner",
            "userID": "628b0dbd3a8ee6c2c3a6cac1",
            "name": "Christopher",
            "_id": "628b2a35bcd21f08c926053a"
        }
    ],
    "createdAt": "2022-05-23T06:31:17.493Z",
    "updatedAt": "2022-05-23T06:33:21.262Z",
    "__v": 1,
    "public": "yes"
}
```

Get a Specific Group

URI : /api/groups/:id

Method: GET

Authorization: Bearer token

Success-Response :

```json
"settings": {
    "isOpenToPublic": true
},
"_id": "628b2a35bcd21f08c9260538",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b2a35bcd21f08c926053a"
    }
],
"createdAt": "2022-05-23T06:31:17.493Z",
"updatedAt": "2022-05-23T06:33:21.262Z",
"__v": 1,
"public": "yes"
```

Add a Member

URI : /api/groups/:id

Method: POST

Authorization: Bearer token

Request-Body :

Type: urlencoded / (HTML form)

Required-Keys : userID

Success-Response :

```json
"settings": {
    "isOpenToPublic": true
},
"_id": "628b2a35bcd21f08c9260538",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b2a35bcd21f08c926053a"
    },
    {
        "role": "Member",
        "userID": "628b0e553a8ee6c2c3a6cacf",
        "name": "Benny",
        "_id": "628b2ca3bcd21f08c926055f"
    }
],
"createdAt": "2022-05-23T06:31:17.493Z",
"updatedAt": "2022-05-23T06:33:21.262Z",
"__v": 1,
"public": "yes"
```

Modified-Object:

```
_id: ObjectId("628b2a35bcd21f08c9260538")
groupFounder: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
title: "Soft-Dev Kelompok 9"
description: "Kelompok 9 mata kuliah software development"
tag: "education"
settings: Object
    isOpenToPublic: true
members: Array
    0: Object
        role: "Owner"
        userID: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
        name: "Christopher"
        _id: ObjectId("628b2a35bcd21f08c926053a")
    1: Object
        role: "Member"
        userID: ObjectId("628b0e553a8ee6c2c3a6cacf")
        name: "Benny"
        _id: ObjectId("628b2ca3bcd21f08c926055f")
createdAt: 2022-05-23T06:31:17.493+00:00
updatedAt: 2022-05-23T06:41:39.888+00:00
__v: 2
public: "yes"
```

Delete a Member

URI : /api/groups/:id/members

Method: POST

Authorization: Bearer token

Request-Body :

Type: urlencoded / (HTML form)

Required-Keys : userID

Success-Response :

```
"settings": {
    "isOpenToPublic": true
},
"_id": "628b2a35bcd21f08c9260538",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b2a35bcd21f08c926053a"
    }
],
"createdAt": "2022-05-23T06:31:17.493Z",
"updatedAt": "2022-05-23T06:41:39.888Z",
"__v": 2,
"public": "yes"
```

Modified-Object:

```
_id: ObjectId("628b2a35bcd21f08c9260538")
groupFounder: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
title: "Soft-Dev Kelompok 9"
description: "Kelompok 9 mata kuliah software development"
tag: "education"
settings: Object
    isOpenToPublic: true
members: Array
    0: Object
        role: "Owner"
        userID: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
        name: "Christopher"
        _id: ObjectId("628b2a35bcd21f08c926053a")
createdAt: 2022-05-23T06:31:17.493+00:00
updatedAt: 2022-05-23T06:44:56.657+00:00
__v: 3
public: "yes"
```

Join a Group

URI : /api/groups/:id/join

Method: POST

Authorization: Bearer token

Success-Response :

```
"settings": {
    "isOpenToPublic": true
},
"_id": "628b2a35bcd21f08c9260538",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b2a35bcd21f08c926053a"
    },
    {
        "role": "Member",
        "userID": "628b0e553a8ee6c2c3a6cacf",
        "name": "Benny",
        "_id": "628b2eeabcd21f08c9260569"
    }
],
"createdAt": "2022-05-23T06:31:17.493Z",
"updatedAt": "2022-05-23T06:44:56.657Z",
"__v": 3,
"public": "yes"
```

Modified-Object:

```
_id: ObjectId("628b2a35bcd21f08c9260538")
groupFounder: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
title: "Soft-Dev Kelompok 9"
description: "Kelompok 9 mata kuliah software development"
tag: "education"
settings: Object
    isOpenToPublic: true
members: Array
    0: Object
        role: "Owner"
        userID: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
        name: "Christopher"
        _id: ObjectId("628b2a35bcd21f08c926053a")
    1: Object
        role: "Member"
        userID: ObjectId("628b0e553a8ee6c2c3a6cacf")
        name: "Benny"
        _id: ObjectId("628b2eeabcd21f08c9260569")
createdAt: 2022-05-23T06:31:17.493+00:00
updatedAt: 2022-05-23T06:51:22.592+00:00
__v: 4
public: "yes"
```

Leave a Group

URI : /api/groups/:id/leave

Method: POST

Authorization: Bearer token

Success-Response :

```json
"settings": {
    "isOpenToPublic": true
},
"_id": "628b2a35bcd21f08c9260538",
"groupFounder": "628b0dbd3a8ee6c2c3a6cac1",
"title": "Soft-Dev Kelompok 9",
"description": "Kelompok 9 mata kuliah software development",
"tag": "education",
"members": [
    {
        "role": "Owner",
        "userID": "628b0dbd3a8ee6c2c3a6cac1",
        "name": "Christopher",
        "_id": "628b2a35bcd21f08c926053a"
    }
],
"createdAt": "2022-05-23T06:31:17.493Z",
"updatedAt": "2022-05-23T06:51:22.592Z",
"__v": 4,
"public": "yes"
```

Modified-Object:

```
_id: ObjectId("628b2a35bcd21f08c9260538")
groupFounder: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
title: "Soft-Dev Kelompok 9"
description: "Kelompok 9 mata kuliah software development"
tag: "education"
settings: Object
    isOpenToPublic: true
members: Array
  0: Object
      role: "Owner"
      userID: ObjectId("628b0dbd3a8ee6c2c3a6cac1")
      name: "Christopher"
      _id: ObjectId("628b2a35bcd21f08c926053a")
createdAt: 2022-05-23T06:31:17.493+00:00
updatedAt: 2022-05-23T06:53:15.313+00:00
__v: 5
public: "yes"
```

NOTES

Untuk membuat grup harus Register dan Login dulu. Yang bisa menghapus, memodify, add member, dan delete member hanya "Founder" (yang membuat grup). Setiap user dapat mengakses grup yang dia buat ataupun yang dimana ada user tsb sebagai member. User tidak dapat mengakses grup yang tidak bersangkutan dengan user tersebut.

API testing menggunakan POSTMAN

User dan password yang bisa access database mongoDB:

 User: kelompok9

 Password: eGGxrIXSXm6Jdcah

 URI:
 "mongodb+srv://kelompok9:<password>@cluster0.2gqks.mongodb.net/?retryWrites=true&w=majority"

Jangan lupa ganti <password> dengan password

Development framework utama pake NodeJS, Express.

API untuk Tasks dan Journeys masih otw.