

## Backend service documentation

### 1. Service to register an user to app

<http://127.0.0.1:8000/api/account/register/>

Method - POST

json input

```
{
    "email": "test3@gmail.com",
    "password": "1234",
    "username": "test3"
}
```

## Result

```
{
    "username": "test3",
    "email": "test3@gmail.com"
}
```

## 2. Service to get auth token

<http://127.0.0.1:8000/api/auth/token/>

Method - POST

json input

```
{
  "username": "test1",
  "password": "1234"
}
```

## Result

```
{
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoyLCJ1c2VybWFTZSI6InRlc3QxIiwiaXhwIjoxNjYwMjc4Mjg4LCJlbWFPbCI6InRlc3QxQGdtYWlsLmNvbSJ9.35XKrOaxMjGCstnBQWLftXF_jgormRQOpn_2BX6CvRs"
}
```

### 3. Service to verify if a token is expired or not

<http://127.0.0.1:8000/api/token-verify/>

Method - POST

json input

```
{
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoyLCJlc2VybmFtZSI6InRlc3QxIiwiaXhwIjoxNjYwMjc4Mjc4LCJlbWFpbCI6InRlc3QxQGdtYWlsLmNvbSJ9.35XKrOaxMjGCstnBQWLftXF_jgormRQOpn_2BX6CvRs"
}
```

Result

```
{
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoyLCJlc2VybmFtZSI6InRlc3QxIiwiaXhwIjoxNjYwMjc4Mjc4LCJlbWFpbCI6InRlc3QxQGdtYWlsLmNvbSJ9.35XKrOaxMjGCstnBQWLftXF_jgormRQOpn_2BX6CvRs"
}
```

#### 4. Service to get all accounts associated with app (for starting a conversation)

<http://127.0.0.1:8000/api/account/>

-H Authorization : jwt <token>

Method - GET

Result-

```
[
  {
    "id": 1,
    "username": "test",
    "email": "test@gmail.com",
    "first_name": "",
    "last_name": ""
  },
  {
    "id": 2,
    "username": "test1",
    "email": "test1@gmail.com",
    "first_name": "",
    "last_name": ""
  }
]
```

## 5. Get conversation between two users (sender, receiver)

<http://127.0.0.1:8000/api/conversations/>

-H Authorization : jwt <token>

params - msg\_sender=<username> & msg\_receiver= <username>

Method - GET

Result -

```
[
  {
    "id": 5,
    "msg_sender_data": {
      "id": 1,
      "username": "test1",
      "first_name": "",
      "last_name": "",
      "email": "test3@gmail.com"
    },
    "msg_receiver_data": {
      "id": 2,
      "username": "test2",
      "first_name": "",
      "last_name": "",
      "email": "test2@gmail.com"
    },
    "message": "Hi test2, messaging from test1",
    "image": "",
    "file": "",
    "conversation_id": "1660535258988",
    "conversation_subject": "",
    "archived": false,
    "publish": "2022-08-15",
    "timestamp": "2022-08-15T03:47:38.999542",
    "updated": "2022-08-15T03:47:38.999586"
  },
  {
    "id": 4,
    "msg_sender_data": {
      "id": 2,
      "username": "test2",
      "first_name": "",
      "last_name": "",
      "email": "test2@gmail.com"
    },
    "msg_receiver_data": {
      "id": 1,
      "username": "test1",
      "first_name": "",
```

```

        "last_name": "",
        "email": "test3@gmail.com"
    },
    "message": "hi, messaging from test2",
    "image": "",
    "file": "",
    "conversation_id": "1660501948405",
    "conversation_subject": "",
    "archived": false,
    "publish": "2022-08-14",
    "timestamp": "2022-08-14T18:32:28.408969",
    "updated": "2022-08-14T18:32:28.408978"
},
{
    "id": 2,
    "msg_sender_data": {
        "id": 1,
        "username": "test1",
        "first_name": "",
        "last_name": "",
        "email": "test3@gmail.com"
    },
    "msg_receiver_data": {
        "id": 2,
        "username": "test2",
        "first_name": "",
        "last_name": "",
        "email": "test2@gmail.com"
    },
    "message": "hi I am test1",
    "image": "",
    "file": "",
    "conversation_id": "1660501900544",
    "conversation_subject": "",
    "archived": false,
    "publish": "2022-08-14",
    "timestamp": "2022-08-14T18:31:40.548393",
    "updated": "2022-08-14T18:31:40.548404"
},
{
    "id": 1,
    "msg_sender_data": {
        "id": 1,
        "username": "test1",
        "first_name": "",
        "last_name": "",
        "email": "test3@gmail.com"
    },
    "msg_receiver_data": {
        "id": 2,

```

```
        "username": "test2",
        "first_name": "",
        "last_name": "",
        "email": "test2@gmail.com"
    },
    "message": "hi",
    "image": "",
    "file": "",
    "conversation_id": "1660501893268",
    "conversation_subject": "",
    "archived": false,
    "publish": "2022-08-14",
    "timestamp": "2022-08-14T18:31:33.273469",
    "updated": "2022-08-14T18:31:33.273477"
}
]
```

## 6. Creating a conversation between User A, User B

<http://127.0.0.1:8000/api/conversation/create>

-H Authorization Jwt <token>

Method - POST

json input -

```
{
  "msg_sender": "test1",
  "msg_receiver": "test2",
  "message": "Hi, sending the message from API",
  "conversation_subject": ""
}
```

Result -

```
{
  "msg_sender": 1,
  "msg_receiver": 2,
  "message": "Hi, sending the message from API",
  "image": null,
  "conversation_id": "1660581449378"
}
```

## 7. Service to delete a conversation

[127.0.0.1:8000/api/conversation/delete/<conversation\\_id>/](http://127.0.0.1:8000/api/conversation/delete/<conversation_id>/)

-H Authorization Jwt <token>

Param username <username>

Method - DELETE

Result -

```
{
  "success": "successfully deleted message"
}
```

#### 8. Service to get latest conversations (to display in left panel of dashboard)

[127.0.0.1:8000/api/last\\_conversation](http://127.0.0.1:8000/api/last_conversation)

-H Authorization Jwt <token>

Param username <username>

Method - GET

Result -

```
{
  "status": "success",
  "result": [
    {
      "id": 2,
      "username": "test2",
      "email": "test2@gmail.com",
      "first_name": "",
      "last_name": "",
      "last_message": "Hi, sending the message from
API",
      "timestamp": "2022-08-15T16:37:29.384853",
      "read": false,
      "delivered": false,
      "msg_sender": "test1",
      "msg_receiver": "test2"
    }
  ]
}
```