

## mt\_api Documentation

URL: <a href="http://localhost:8080/users/&lt;id_or_name&gt;">http://localhost:8080/users/&lt;id_or_name&gt;</a>	
HTTP Method	Resulting Behavior
GET	Fetch user's information
PUT	Not supported for this endpoint
POST	Not supported for this endpoint
DELETE	Not supported for this endpoint

This api will get user's information

Requirement for outgoing JSON object is either username or user\_id

Example:

Response to GET <http://localhost:8080/users/thomas>

```
{
  "email": "tngo0508@gmail.com",
  "pw_hash": "pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa248034d09d",
  "user_id": 1,
  "username": "thomas"
}
```

OR

Response to GET <http://localhost:8080/users/1>

```
{
  "email": "tngo0508@gmail.com",
  "pw_hash": "pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa248034d09d",
  "user_id": 1,
  "username": "thomas"
}
```

URL: <a href="http://localhost:8080/users/&lt;username&gt;/add_message">http://localhost:8080/users/&lt;username&gt;/add_message</a>	
HTTP Method	Resulting Behavior
GET	Not supported for this endpoint
PUT	Not supported for this endpoint
POST	Inserts a new message from current <username>
DELETE	Not supported for this endpoint

This api will insert a new message from current user who logged in

Required following fields for outgoing JSON object: username, pw\_hash, text, author\_id, and user\_id

Example:

Request to POST [http://localhost:8080/users/thomas/add\\_message](http://localhost:8080/users/thomas/add_message)

```
{
  "pw_hash": "pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa248034d09d",
  "text": "hello world!!!",
  "username": "thomas",
  "author_id": "1",
}
```

Response to GET [http://localhost:8080/users/thomas/add\\_message](http://localhost:8080/users/thomas/add_message)  
Your message was recorded

URL: <a href="http://localhost:8080/users/&lt;username&gt;/messages">http://localhost:8080/users/&lt;username&gt;/messages</a>	
HTTP Method	Resulting Behavior
GET	Fetch user's information and all messages created
PUT	Not supported for this endpoint
POST	Not supported for this endpoint
DELETE	Not supported for this endpoint

This api will display a user's tweets

Required following fields for outgoing JSON object: username, pw\_hash, user\_id, and profile\_user\_id

Example:

Request to GET <http://localhost:8080/users/thomas/messages>

```
{
  "pw_hash": "pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa248034d09d",
  "username": "thomas",
  "user_id": "1",
  "profile_user_id": "1",
}
```

Response to GET <http://localhost:8080/users/thomas/messages>

```
{
  "author_id": 1,
  "email": "tngo0508@gmail.com",
  "message_id": 12,
  "pub_date": 1518409848,
  "pw_hash": "pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa248034d09d",
  "text": "populates database for testing",
  "user_id": 1,
  "username": "thomas"
}
```

}

URL: <a href="http://localhost:8080/users/&lt;user_id&gt;/follow">http://localhost:8080/users/&lt;user_id&gt;/follow</a>	
HTTP Method	Resulting Behavior
GET	Fetch true or 1 if user_id has followers
PUT	Not supported for this endpoint
POST	Not supported for this endpoint
DELETE	Not supported for this endpoint

This api will return 1 if user\_id has followers. Otherwise, return None

Required following fields for outgoing JSON object: username, pw\_hash, user\_id, and whom\_id

Example:

Request to GET <http://localhost:8080/users/3/followers>

```
{
  "pw_hash": "pbkdf2:sha256:50000$XArlgzMX$73e58aef7c4ffd196acab89ae912837172583170d794bc29370193731a437bf0",
  "username": "eve",
  "user_id": "3",
  "whom_id": "1",
}
```

Response to GET <http://localhost:8080/users/3/followers>

1 (if user has followers) Or None (if user does not have follower)

URL: <a href="http://localhost:8080/users/&lt;user_id&gt;/add_follow">http://localhost:8080/users/&lt;user_id&gt;/add_follow</a>	
HTTP Method	Resulting Behavior
GET	Not supported for this endpoint
PUT	Not supported for this endpoint
POST	Insert a message into table message of <user_id>
DELETE	Not supported for this endpoint

Required following fields for outgoing JSON object: username, pw\_hash and whom\_id

Example:

Request to POST [http://localhost:8080/messages/1/add\\_follow](http://localhost:8080/messages/1/add_follow)

{

```
"pw_hash":
"pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa24
8034d09d",
"username": "thomas",
"whom_id": 3
}
```

Response to POST [http://localhost:8080/messages/1/add\\_follow](http://localhost:8080/messages/1/add_follow)

You are following user has user\_id 3

URL: <a href="http://localhost:8080/users/&lt;user_id&gt;/unfollow">http://localhost:8080/users/&lt;user_id&gt;/unfollow</a>	
HTTP Method	Resulting Behavior
GET	Not supported for this endpoint
PUT	Not supported for this endpoint
POST	Not supported for this endpoint
DELETE	Delete the following a user who has <whom_id>

Required following fields for outgoing JSON object: username, pw\_hash, whom\_id, username

Example:

Request to DELETE <http://localhost:8080/users/3/followers>

```
{
  "pw_hash":
"pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa24
8034d09d",
  "username": "thomas",
  "whom_id": 3
}
```

Response to DELETE <http://localhost:8080/users/3/followers>

You are no longer following user has 3

URL: <a href="http://localhost:8080/users/Sign_up">http://localhost:8080/users/Sign_up</a>	
HTTP Method	Resulting Behavior
GET	Not supported for this endpoint
PUT	Not supported for this endpoint
POST	Insert new user information
DELETE	Not supported for this endpoint

This api will register a new user's information

Required following fields for outgoing JSON object: username, email, pw\_hash

Example:

Request to POST [http://localhost:8080/users/Sign\\_up](http://localhost:8080/users/Sign_up)

```
{
  "email": "harry@potter.com",
  "pw_hash":
"pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa24
8034d09d",
  "username": "Harry"
}
```

Response to POST [http://localhost:8080/users/Sign\\_up](http://localhost:8080/users/Sign_up)

You were successfully registered

URL: <a href="http://localhost:8080/users">http://localhost:8080/users</a>	
HTTP Method	Resulting Behavior
GET	Fetch messages and user's information
PUT	Not supported for this endpoint
POST	Not supported for this endpoint
DELETE	Not supported for this endpoint

This api will get user timeline if no user is logged in it will get the public timeline instead

Optional fields for outgoing JSON object: user\_id, pw\_hash, username

Response to <http://localhost:8080/users>

```
{
  "author_id": 1,
  "email": "tngo0508@gmail.com",
  "message_id": 1,
  "pub_date": 1518323568,
  "pw_hash":
"pbkdf2:sha256:50000$r1fUXyrZ$5908841c968862270f5a49550fa46d188680922d2c9c3e571f75fa24
8034d09d",
  "text": "hello, world!",
  "user_id": 1,
  "username": "thomas"
}
```

URL: <a href="http://localhost:8080/timeline">http://localhost:8080/timeline</a>
--

HTTP Method	Resulting Behavior
GET	Fetch latest messages of all users
PUT	Not supported for this endpoint
POST	Not supported for this endpoint
DELETE	Not supported for this endpoint

No requirement for JSON object

Response to <http://localhost:8080/timeline>

```
{
  "author_id": 2,
  "email": "bob@example.com",
  "message_id": 3,
  "pub_date": 1518409690,
  "pw_hash":
"pbkdf2:sha256:50000$ZccswADr$641523567028e8e6ffe6eb41be32c0f5687989a672f56f58754b149c
b5de12b4",
  "text": "123",
  "user_id": 2,
  "username": "bob"
},
```