

ChatApi v2

PROG2500 - A6

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Account Endpoints

POST /account/create - Create a new account

Create a new user account

Parameters:

- Username { string } - Desired username
- Password { string } - Plain-text password

Responses:

- **201** - Successful, account created
- **500** - Internal server error

Example:

```
/account/create?Username=bob&Password=123
{
  "date": "2021-03-09T17:44:37.768879-04:00",
  "object": {
    "joined": "2021-03-09T17:44:37.0321749-04:00",
    "name": "bob",
    "token": "00000000-0000-0000-0000-000000000000"
  }
}
```

PATCH /account/login - Login to existing account

Login to the system to retrieve your user token.
Your user token is used to send and receive messages.

Parameters:

- Username { string } - Username of your account
- Password { string } - Plain-text password

Responses:

- **200** - Successful
- **400** - Bad request, invalid username or password

Example:

```
/account/login?Username=bob&Password=123
{
  "date": "2021-03-09T18:04:14.3794492-04:00",
  "object": "8d519171-d488-456a-906c-38f9c9edd80d"
}
```

PATCH /account/logout - Logout / reset token

Logout of the system, resetting your user token.
This will ensure no one can post on your behalf in the case of a database leak.

This endpoint has no response body. If you're logged in and you receive a **204** code, you've been logged out. You can know for sure by trying to submit a message with your user token. (see /chat/send)

Parameters:

- Token { uuid } - User token (see /account/login)

Responses:

- **204** - No content
-

Chat Endpoints

POST /chat/send – Submit a message

Submit a message for all to see!

Parameters:

- Token { uuid } - User token (see /account/login)
- Text { string } - Message to submit

Responses:

- **201** - Message submitted successfully
- **400** - Bad request, token is invalid or text is empty / missing

Example:

```
/chat/send?Token=8d519171-d488-456a-906c-38f9c9edd80d&Text=hello
{
  "date": "2021-03-09T20:36:10.2851166-04:00",
  "object": "Message submitted successfully!"
}
```

GET /chat/get – Request submitted messages

Request all or some of the message sent by all users.

Parameters:

- Token { uuid } - User token (see /account/login)
- Descending { boolean=true } - What order the results should be returned. (true = DESC, false = ASC)
- Limit { integer=0 } - Limit the number of returned results. (0 = All messages)

Responses:

- **200** - Successful
- **400** - Bad request, invalid token

Example:

```
/chat/get?Token=8d519171-d488-456a-906c-38f9c9edd80d
{
  "date": "2021-03-09T20:52:27.6209513-04:00",
  "object": [
    {
      "id": 9,
      "created": "2021-03-09T20:54:55.560168",
      "text": "Hello!",
      "username": "bob"
    }
  ]
}
```