**New user** /signup

**POST** Create a new user and return an authorization token if success

**Header:**

Content-Type : application/x-www-form-urlencoded

**Body:**

uname : *String* ***(required)***

a username of the new user (must not be identical to another username)

email : *String* ***(required)***

an email of the new user (must not be used to create user before)

password : *String* ***(required)***

a password of the new user (should be strong)

**Response:**

**200** Success

*Sample response:*

{

"auth-token": "014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk="

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**409** Conflict

*Sample response:*

{

"message": "this email has already been used"

}

**Authorization** /authorized

**POST** Log a user in and return an authorization token if success

**Header:**

Content-Type : application/x-www-form-urlencoded

**Body:**

email : *String* ***(required)***

an email of the user

password : *String* ***(required)***

a password of the user

**Response:**

**200** Success

*Sample response:*

{

"auth-token": "014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk="

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "wrong email or password"

}

**GET** Check if a user is logged in and return an authorization token if success

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action

**Response:**

**200** Success

*Sample response:*

{

"auth-token": "014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk="

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**Profile** /profile

**GET** /profile/{authUid} Get all information of a user base on his/her id

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action

**Path Parameter:**

authUid : *String* ***(required)***

the uid of a user (encoded)

**Query Parameter:**

page : *integer* ***(required)***

the page of posts (1 page contains 24 posts, starting from 0)

**Response:**

**200** Success

*Sample response:*

{

"uid": "OXuMFYtTmSlPkKWCk9Nw0g==",

"uname": "ngocnghiem",

"post": {

"page": 0,

"posts": [

{

"can\_comment": false,

"comments": [],

"src": "http://10.114.32.118/margatsni/34\_1512067837097CAQ-aFoWMAAXQWU.jpg",

"can\_like": false,

"owned": false,

"caption": "me right now!",

"postId": "qnB4rgZ85jNnh6k/1fgPTw==",

"timestamp": 1512067837098,

"likes": 0

},

{

"can\_comment": false,

"comments": [],

"src": "http://10.114.32.118/margatsni/34\_1511893941011IMG\_0102.JPG",

"can\_like": false,

"owned": false,

"postId": "pZLWmqr/WzZgXM/SLcG5fA==",

"timestamp": 1511893941011,

"likes": 0

}

]

},

"liked": false

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}

**303** See other

*Happens when a user request for his/her own profile. In that case, he/she should instead use /profile/me request*

{

"message": "redirect to /profile/me"

}

**GET** /profile/me Get the current user information

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Query Parameter:**

page : *integer* ***(required)***

the page of posts (1 page contains 24 posts, starting from 0)

**Response:**

**200** Success

*Sample response:*

{

"uid": "elPiQRpOXiF6SzGgeyqluA==",

"uname": "ngocn",

"post": {

"page": 0,

"posts": [

{

"can\_comment": true,

"comments": [],

"src": "http://10.114.32.118/margatsni/33\_1512033733536bat.png",

"can\_like": true,

"owned": true,

"caption": "batman things!",

"postId": "q5ISHL8cBprizttK2OlUrw==",

"timestamp": 1512033733537,

"likes": 3

},

{

"can\_comment": true,

"comments": [

{

"uid": "elPiQRpOXiF6SzGgeyqluA==",

"uname": "ngocn",

"owned": true,

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_33.jpg",

"comment\_id": "gFBPxC8fHo8jTpDUcEYLAA==",

"content": "hmm, should i report this?",

"timestamp": 1512068168568

},

{

"uid": "elPiQRpOXiF6SzGgeyqluA==",

"uname": "ngocn",

"owned": true,

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_33.jpg",

"comment\_id": "zpXdRnfHotYDLf197Wgueg==",

"content": "hmm, should i report this?",

"timestamp": 1512122910106

},

{

"uid": "elPiQRpOXiF6SzGgeyqluA==",

"uname": "ngocn",

"owned": true,

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_33.jpg",

"comment\_id": "o9kiZuDfUOfjyBZNzZoxNA==",

"content": "just kidding :D",

"timestamp": 1512129381978

}

],

"src": "http://10.114.32.118/margatsni/33\_1511893328075\_MG\_7372.jpg",

"can\_like": true,

"owned": true,

"postId": "13b6Wmi3AJJFkB3CmrQcNQ==",

"timestamp": 1511893328076,

"likes": 0

}

]

},

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_33.jpg",

"fav\_quote": "I am a user, and I like cats",

"liked": false

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**PUT** Update user’s favorite quote

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

fav\_quote : *string* ***(required)***

the user’s new favorite quote

**Response:**

**200** Success

*Sample response:*

{

"fav\_quote": "I am a user, and I like dancing"

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**POST** Update user’s profile picture

**Header:**

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

file : *file* ***(required)***

the profile picture

**Response:**

**200** Success

*Sample response:*

{

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_37.jpg"

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**Post** /post

**POST** /post/new Create a new post

**Header:**

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

file : *file* ***(required)***

the file that is being uploaded

caption : *String*

the caption of the post

**Response:**

**200** Success

*Sample response:*

{

"uid": "J6ierADGJ5+nCrlC+fIwrQ==",

"can\_comment": true,

"comments": [],

"uname": "leomessi",

"src": "http://10.114.32.118/margatsni/39\_1512132499931esport-trans.png",

"can\_like": true,

"caption": "white logo <3",

"postId": "IKx8erZs5WJNbALihY4GCg==",

"liked": false,

"timestamp": 1512132499933,

"likes": 0

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}

**PUT** Update user’s post

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

post : *string* ***(required)***

the post id

caption : *string* ***(required)***

the new caption of the post

**Response:**

**200** Success

*Sample response:*

{

"uid": "93xQKoGwvpj2KpVIsN9nNQ==",

"can\_comment": true,

"comments": [],

"uname": "giangph",

"src": "http://10.114.32.118/margatsni/32\_1511957895318IMG\_0490.png",

"can\_like": true,

"caption": "an updated post from me",

"postId": "o9kiZuDfUOfjyBZNzZoxNA==",

"liked": false,

"timestamp": 1511957895319,

"likes": 0

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**404** Resource not found

*Sample response:*

{

"message": "post not found"

}

**403** Forbidden

*Sample response:*

{

"message": "permission denied"

}

**DELETE** Remove user’s post

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

post : *string* ***(required)***

the post id

**Response:**

**200** Success

*Sample response:*

{

"message": "success"

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**404** Resource not found

*Sample response:*

{

"message": "post not found"

}

**403** Forbidden

*Sample response:*

{

"message": "permission denied"

}

**Comment** /post

**POST** Create a new comment

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

post : *String* ***(required)***

the post id

content : *String*

the content of the comment

**Response:**

**200** Success

*Sample response:*

{

"uid": "4AoIuhrYix5NZvrMIuZhnw==",

"uname": "mother\_of\_god",

"owned": true,

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_37.jpg",

"comment\_id": "f937ycKtdarRYCmd21f+aw==",

"content": "lol :D",

"timestamp": 1512153888372

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}

**404** Resource not found

*Sample response:*

{

"message": "post not found"

}

**403** Forbidden

*Sample response:*

{

"message": "permission denied"

}

**PUT** Update a comment

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

comment\_id : *string* ***(required)***

the comment id

content : *string* ***(required)***

the new content of the comment

**Response:**

**200** Success

*Sample response:*

{

"uid": "4AoIuhrYix5NZvrMIuZhnw==",

"uname": "mother\_of\_god",

"owned": true,

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_37.jpg",

"comment\_id": "f937ycKtdarRYCmd21f+aw==",

"content": "LOL :D",

"timestamp": 1512153888372

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**404** Resource not found

*Sample response:*

{

"message": "comment not found"

}

**403** Forbidden

*Sample response:*

{

"message": "permission denied"

}

**DELETE** Remove a comment

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

comment\_id : *string* ***(required)***

the comment id

**Response:**

**200** Success

*Sample response:*

{

"message": "success"

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": "session expired"

}

**404** Resource not found

*Sample response:*

{

"message": "post not found"

}

**403** Forbidden

*Sample response:*

{

"message": "permission denied"

}

**LIKE** /like

**POST** Like or unlike

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action ***(required)***

**Body:**

post : *String* ***(required)***

the post id

**Response:**

**200** Success

*Sample response:*

{

"comments": [

{

"uid": "OXuMFYtTmSlPkKWCk9Nw0g==",

"uname": "ngocnghiem",

"comment\_id": "UV5SwgqEfNrVZmfKIInv8A==",

"content": "go drunk, you are home!",

"timestamp": 1512068099784

}

],

"src": "http://10.114.32.118/margatsni/32\_1511894012567IMG\_0102.JPG",

"postId": "UV5SwgqEfNrVZmfKIInv8A==",

"timestamp": 1511894012567,

"likes": 1

}

**400** Bad request

*Sample response:*

{

"message": "bad request"

}

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}

**404** Resource not found

*Sample response:*

{

"message": "post not found"

}

**FEED** /like

**GET** Get all the posts in a specific page

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action

**Query Parameters:**

page : *integer* ***(required)***

the page of posts

**Response:**

**200** Success

*Sample response:*

[

{

"comments": [],

"uname": "ngocn",

"src": "http://10.114.32.118/margatsni/33\_1512033733536bat.png",

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_33.jpg",

"caption": "batman things!",

"postId": "q5ISHL8cBprizttK2OlUrw==",

"liked": true,

"uid": "elPiQRpOXiF6SzGgeyqluA==",

"can\_comment": true,

"can\_like": true,

"owned": false,

"timestamp": 1512033733537,

"likes": 3

},

{

"uid": "93xQKoGwvpj2KpVIsN9nNQ==",

"can\_comment": true,

"comments": [],

"uname": "giangph",

"src": "http://10.114.32.118/margatsni/32\_1511988037047HIMYM.png",

"can\_like": true,

"owned": false,

"caption": "HIMYM",

"postId": "aTqfDUVahzmmrdafctcWNw==",

"liked": false,

"timestamp": 1511988037048,

"likes": 1

}

]

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}

**GET** /topGet all the top posts in a specific page

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action

**Query Parameters:**

page : *integer* ***(required)***

the page of posts

**Response:**

**200** Success

*Sample response:*

[

{

"comments": [],

"uname": "ngocn",

"src": "http://10.114.32.118/margatsni/33\_1512033733536bat.png",

"profile\_pic": "http://10.114.32.118/profile\_pic/profile\_33.jpg",

"caption": "batman things!",

"postId": "q5ISHL8cBprizttK2OlUrw==",

"liked": true,

"uid": "elPiQRpOXiF6SzGgeyqluA==",

"can\_comment": true,

"can\_like": true,

"owned": false,

"timestamp": 1512033733537,

"likes": 3

},

{

"uid": "93xQKoGwvpj2KpVIsN9nNQ==",

"can\_comment": true,

"comments": [],

"uname": "giangph",

"src": "http://10.114.32.118/margatsni/32\_1511988037047HIMYM.png",

"can\_like": true,

"owned": false,

"caption": "HIMYM",

"postId": "aTqfDUVahzmmrdafctcWNw==",

"liked": false,

"timestamp": 1511988037048,

"likes": 1

}

]

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}

**Search Users** /user

**GET**

**Header:**

Content-Type : application/x-www-form-urlencoded

auth-token : *Example* 014hCwkC42URrpU/58r6lVxzLSxwTCBtdThN2uDjaEk=

a token returned from sign up or authorized (log in) action

**Query Parameter:**

search : *String* ***(required)***

the username

**Response:**

**200** Success

*Sample response:*

[

{

"uid": "93xQKoGwvpj2KpVIsN9nNQ==",

"uname": "giangph"

}

]

**401** Unauthorized

*Sample response:*

{

"message": " session expired"

}