

Meet-Up social application Documentation

Our application offers a User Interface to allow users to use it from their web browser. However, the application can also be used as an API. It should be noted that to be used as an API, the application will require a user to use his token in almost every URL request. In this documentation, every parameter set in the URL will be explicitly said a parameter with the convention {parameter name}. The API can be used with the following available functions:

Plan:

/WS Project/v1/socialNetwork /version

/createUser

/login

/token

/deleteUser

/firstname

/lastname

/biography

/email

/idUser

/mygroups

/changeFirstname

/changeLastname

/changeBiography

/users

/idUser

/firstname

/lastname

/biography

/groups

/groups

/createGroup

/idGroup

/name

/description

/admin

/members

/comments

/idComment

/time

/idUser

/firstname

/lastname

/text

/postComment

/changeDescription

/joinGroup

/leaveGroup

/deleteGroup

Get the current version of the application:

Url: /WS_Project/v1/socialNetwork/version

Verb: GET

Parameters: none

Result: Returns a string containing the application version, under the format "The current version is X", X being the version.

Example URL: /WS_Project/v1/socialNetwork/version

Example return: "The current version is 1.0"

Create a brand-new user:

Url: /WS_Project/v1/socialNetwork/createUser

Verb: POST

Parameters:

(String)email(mandatory): the email address of the user registering

(String)password(mandatory): the password

(String)firstname(optional): the first name

(String)lastname(optional): the last name

(String)biography(optional): the biography

Result: If the email address is not already in use, create a new User and return its new token.

Example URL:
/WS_Project/v1/socialNetwork/createUser?email=john.doe@example.com&password=pass&firstna
me=John&lastname=Doe&biography="I am new here"

Example return: 201:"AAAA"

Login as a registered user:

Url: /WS_Project/v1/socialNetwork/login

Verb: GET

Parameters:

(String)email(mandatory): the email address of the user

(String)password(mandatory): the password

Result: If the user exists and has the right password, returns its token. Else, return a 400-Status error.

Example URL: /WS_Project/v1/socialNetwork/login? email=john.doe@example.com&password=pass

Example return: 200:"AAAA"

Get the all the information of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Return a JSON array of all the information of the user

Example URL: /WS_Project/v1/socialNetwork/AAAA

Example return:

```
[{"id_user":1,"email_address":"stefano.alder@email.fr","firstname":"moi","lastname":"gallaisrr","bio
graphy":"allo cest moieeee","password":"nano","token":"AAAA"}]
```

Delete the logged user from the social network:

Url: /WS_Project/v1/socialNetwork/{token}/deleteUser

Verb: DELETE

Parameters:

(String)token(mandatory): the token of the user

Result: If the user exists, deletes it from the database of the application. Also, deletes all its membership from groups, but keeps their posted comments on groups.

Example URL: /WS_Project/v1/socialNetwork/AAAA/deleteUser

Example return: 200:"Deletion Complete"

Get the "firstname" resource of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/firstname

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing only the first name of the user

Example URL: /WS_Project/v1/socialNetwork/AAAA/firstname

Example return: [{"firstname":"John"}]

Get the "lastname" resource of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/lastname

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing only the last name of the user

Example URL: /WS_Project/v1/socialNetwork/AAAA/lastname

Example return: [{"lastname":"Doe"}]

Get the "biography" resource of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/biography

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing only the biography of the user

Example URL: /WS_Project/v1/socialNetwork/AAAA/ biography

Example return: [{"biography":" I am new here"}]

Get the "email" resource of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/email

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing only the email of the user

Example URL: /WS_Project/v1/socialNetwork/AAAA/ email

Example return: [{"email":" john.doe@example.com"}]

Get the "idUser" resource of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/idUser

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing only the idUser of the user

Example URL: /WS_Project/v1/socialNetwork/AAAA/ idUser

Example return: [{"idUser":25}]

Get all the groups the user is subscribed to:

Url: /WS_Project/v1/socialNetwork/{token}/mygroups

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing all the groups the user subscribed to

Example URL: /WS_Project/v1/socialNetwork/AAAA/idUser/mygroups

Example return: [{"id_group":3,"name":"Roux-club de Saint-Etienne","description":"les roux se rebellent contre-attaque","membership_count":3},{\"id_group\":5,\"name\":\"fsdgs\",\"description\":\"ytrytry\",\"membership_count\":2}]

Change the first name of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/changeFirstname

Verb: PUT

Parameters:

(String)token(mandatory): the token of the user

(String)firstname(mandatory): the new first name of the user

Result: Change the first name of the user to be the same as the parameter

Example URL: /WS_Project/v1/socialNetwork/AAAA/changeFirstname?firstname=Alex

Example return: 200:”Firstname updated”

Change the last name of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/changeLastname

Verb: PUT

Parameters:

(String)token(mandatory): the token of the user

(String)lastname(mandatory): the new last name of the user

Result: Change the last name of the user to be the same as the parameter

Example URL: /WS_Project/v1/socialNetwork/AAAA/changeLastname?lastname=Roe

Example return: 200:”Lastname updated”

Change the biography of the logged user:

Url: /WS_Project/v1/socialNetwork/{token}/changeBiography

Verb: PUT

Parameters:

(String)token(mandatory): the token of the user

(String)biography(mandatory): the new biography of the user

Result: Change the biography of the user to be the same as the parameter

Example URL: /WS_Project/v1/socialNetwork/AAAA/changeBiography?biography=I am now experienced

Example return: 200:"Biography updated"

Get all the registered users of the social network:

Url: /WS_Project/v1/socialNetwork/{token}/users

Verb: GET

Parameters:

(String)token(mandatory): the token of the user

Result: Returns a JSON array containing some information (id user, first name, last name, biography, email) from all the registered users.

Example URL: /WS_Project/v1/socialNetwork/AAAA/users

Example return:

```
[{"firstname":"robin","lastname":"vanet","biography":"roux"},  
{"firstname":"Lionel","lastname":"Mukuna","biography":"Sample Text."},  
{"firstname":"stefano","lastname":"alder","biography":"moi le boss"}]
```

Get the public information of another registered user:

Url: /WS_Project/v1/socialNetwork/{token}/users/{idUser}

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idUser(mandatory): the token of the user being queried

Result: Returns a JSON array of the public information (first name, last name, biograph, number of groups joined) of another user

Example URL: /WS_Project/v1/socialNetwork/AAAA/users/1

Example return: [{"firstname":"robin","lastname":"vanet","biography":"roux","group_count":5}]

Get the “firstname” resource of another user

Url: /WS_Project/v1/socialNetwork/{token}/users/{idUser}/firstname

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idUser(mandatory): the token of the user being queried

Result: Return a JSON array of only the first name resource of another user

Example URL: /WS_Project/v1/socialNetwork/AAAA/users/1/firstname

Example return: [{"firstname":"robin"}]

Get the “lastname” resource of another user

Url: /WS_Project/v1/socialNetwork/{token}/users/{idUser}/lastname

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idUser(mandatory): the token of the user being queried

Result: Return a JSON array of only the last name resource of another user

Example URL: /WS_Project/v1/socialNetwork/AAAA/users/1/ lastname

Example return: [{"lastname":"vanet"}]

Get the “biography” resource of another user

Url: /WS_Project/v1/socialNetwork/{token}/users/{idUser}/biography

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idUser(mandatory): the token of the user being queried

Result: Return a JSON array of only the biography resource of another user

Example URL: /WS_Project/v1/socialNetwork/AAAA/users/1/ biography

Example return:[{"biography":"roux"}]

Get all the groups another user joined

Url: /WS_Project/v1/socialNetwork/{token}/users/{idUser}/groups

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idUser(mandatory): the token of the user being queried

Result: Return a JSON array of only the groups the user joined

Example URL: /WS_Project/v1/socialNetwork/AAAA/users/1/groups

Example return: [{"name":"Roux-club de Saint-Etienne","id_group":3},{ "name":"fsdgs","id_group":5}]

Get a list of all groups:

Url: /WS_Project/v1/socialNetwork/{token}/groups

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

Result: Return a JSON array of all the existing groups

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups

Example return: [{"id_group":3,"name":"Roux-club de Saint-Etienne","description":"les roux se rebellent contre-attaque","membership_count":3},{ "id_group":5,"name":"fsdgs","description":"ytrytry","membership_count":2},{ "id_group":8,"name":"le nouveau groupe","description":"ppour les nouveaux","membership_count":1}]

Create a new group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/createGroup

Verb: POST

Parameters:

(String)token(mandatory): the token of the user logged in

(String)name(mandatory): the name of the new group

(String)description(optional): the description of the new group

Result: If the name is not already in use, create a new group with the specified name and description. Return a response containing the id of the new group.

Example URL: /WS_Project/v1/socialNetwork/{token}/groups/createGroup?name=test group&description=this is a demonstration group

Example return: 201:16

Get information of a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: Return a JSON array of all the information of the wanted group

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups/1

Example return: [{"id_group":3,"name":"Roux-club de Saint-Etienne","description":"les roux se rebellent contre-attaque","admin":7}]

Get the “name” resource of a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/name

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: Return a JSON array of the name resource of the desired group

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/name

Example return: [{"name":"Roux-club de Saint-Etienne"}]

Get the “description” resource of a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/description

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: Return a JSON array of the description resource of the desired group

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/description

Example return: [{"description":"les roux se rebellent contre-attaque"}]

Get the “admin” resource of a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/admin

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: Return a JSON array of the admin resource of the desired group

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/name

Example return: [{"admin":7}]

Get all the users who joined a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/members

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: Return a JSON array of all the members who joined the desired group

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/members

Example return:

```
[{"id_user":7,"firstname":"robin","lastname":"vanet","biography":"roux"}, {"id_user":6,"firstname":"Lionel","lastname":"Mukuna","biography":"Sample Text."}, {"id_user":1,"firstname":"moi","lastname":"gallaisrr","biography":"allo cest moieeee"}]
```

Get all the comments posted on a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: Return a JSON array of all the comments posted on the desired group

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments

```
Example return: [{"id_comment":77,"timePosted":"2016-12-13 15:15:52.0","comment":"hiqef","firstname":"drhdh","lastname":"drhdh"}, {"id_comment":76,"timePosted":"2016-12-13 15:15:47.0","comment":"hi","firstname":"drhdh","lastname":"drhdh"}, {"id_comment":75,"timePosted":"2016-12-12 17:21:28.0","comment":"gvu"}]
```

Get a specific comment with its id:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments/{idComment}

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(integer)idComment(mandatory): the id of the specific comment

Result: Result a JSON array of all the information (body of comment, first and last name of poster) of the specified comment

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments/3

Example return: [{"comment":"comment","firstname":"John","lastname":"Doe"}]

Get the posting time of a specific comment:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments/{idComment}/time

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(integer)idComment(mandatory): the id of the specific comment

Result: Result a JSON array of the time the specified comment was posted

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments/3/time

Example return: [{"timePosted":"2016-12-13 15:15:52.0"}]

Get the id user of the poster of a specific comment:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments/{idComment}/idUser

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(integer)idComment(mandatory): the id of the specific comment

Result: Result a JSON array of the idUser of the poster of the specified comment

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments/3/idUser

Example return: [{"id_user":58}]

Get the first name of the poster of a specific comment:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments/{idComment}/firstname

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(integer)idComment(mandatory): the id of the specific comment

Result: Result a JSON array of the first name of the poster of the specified comment

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments/3/firstname

Example return: [{"firstname":"John"}]

Get the last name of the poster of a specific comment:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments/{idComment}/lastname

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(integer)idComment(mandatory): the id of the specific comment

Result: Result a JSON array of the last name of the poster of the specified comment

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments/3/lastname

Example return: [{"firstname":"Doe"}]

Get the body of a specific comment:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/comments/{idComment}/text

Verb: GET

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(integer)idComment(mandatory): the id of the specific comment

Result: Result a JSON array of the text body of the specified comment.

Example URL: /WS_Project/v1/socialNetwork/AAAA/ groups/1/comments/3/text

Example return: [{"comment":"this is an exemple"}]

Post a comment on a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/postComment

Verb: POST

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(String)comment(mandatory): the text body of the comment

Result: Post a comment on the specified group with the specified body, from the logged user

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups/1/postComment?comment=This is a comment

Example return: 201:"Comment Posted."

Change the group description:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/changeDescription

Verb: PUT

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

(String)description(mandatory): the new description

Result: If the logged user is the admin of the group, change the description of the group.

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups/1/changeDescription?description=new description

Example return: 200:"Description updated."

Join an existing group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/joinGroup

Verb: POST

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: If the logged user is not already in the group, it joins the group.

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups/1/join

Example return: 201:"OK"

Leave a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/leaveGroup

Verb: DELETE

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: If the logged user is in the group, it leaves the group. If the user is the admin of the group, then the result suggests to delete the group, to avoid admin-less groups.

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups/1/leave

Example return: 200:"OK"

Delete a group:

Url: /WS_Project/v1/socialNetwork/{token}/groups/{idGroup}/deleteGroup

Verb: DELETE

Parameters:

(String)token(mandatory): the token of the user logged in

(integer)idGroup(mandatory): the id of the wanted group

Result: If the logged user is the admin of the group, then deletes the group, and removes every other member from this group.

Example URL: /WS_Project/v1/socialNetwork/AAAA/groups/1/leave

Example return: 200:"OK"