

## GETs

### Home Page

**get\_user\_info(user\_id)->{"email","active","password","username","created\_at","phone"}**

Description: To retrieve user information in profile and sign page.

**get\_profile(user\_id) -> {"email", "username","created\_at"}**

Description: Get other's profile info (email, username,registration date).

**get\_token(email, password) ->{token}**

Description: Get the token of current user

### Match Page

**get\_suggestions(list:tags)->[{room\_id,room\_name}]**

Description: Get recommended information for particular users based on tags. Return all suggested rooms (matchings) that users not "disliked" or were already in. If no more suggested, return none. Otherwise return up to 10 suggested rooms.

**join\_chatroom(room\_id)**

Description: Join the chatroom/group by add new Participant

### Chatroom Page

**get\_chatrooms() -> [{members: [username], room\_name, room\_id}]**

Description: Get all chatrooms that the user is in.

**get\_messages(room\_id) -> [{user\_name, user\_id, sendTime, content}]**

Description: Get all the messages the chatroom has

**get\_room\_members(room\_id) -> [{user\_id, username}]**

Description: Get all the room members in the current chatroom/group

## POSTs

### Home Page

**create\_user(email, password, username) -> {user\_id, token}**

Description: Only execute once when the user registered.

**validate\_token(token) -> {token\_is\_valid:Boolean}**

Description: Validate whether the user has permission to view a certain page.

### Match Page

**right\_swipe(user, room)**

Description: Automatically add the user to the recommended group.

**left\_swipe(user, room)**

Description: Reject to join a group and automatically recommend a new group to the users.

Will no longer recommend this. Add to the dislike table.

**Chatroom Page****create\_group(name, tag) -> {room\_id}**

Description: Create a group with name and tag

**send\_message(room\_id, content) -> {content}**

Description: Send a message to the chatroom.

**Event Page****create\_event(room\_id, event\_name, location, start\_time, end\_time, description) -> {room\_id}**

Description: Create an event with name, location, start and end time and description

**delete\_event(room\_id) -> {room\_id}**

Description: Delete the event of the group

**DELETES:****Chatroom Page****leave\_group(room\_id) -> {room\_id}**

Description: Remove the user from the current group

**delete\_group(room\_id) -> {room\_id}**

Description: Remove the group from the table and the event and messages the group has

**delete\_messages(room\_id) -> {room\_id}**

Description: Delete all messages from the chatroom

**PUTs:****Profile Page****change\_password(old\_password, new\_password)**

Description: Change password for the current user.

**modify\_profile(email, username) -> Boolean**

Description: \_ means can be default if not changed, returns false if modified failed

**send\_verification\_email -> Boolean**

Description: sends an email containing a password reset link to the user's email.

**validate\_email(email)->Boolean,user**

Description: validates if the user has access to the email address used for the account by checking the hash code in the link.

**reset\_password(hash,new\_password)->Boolean**

Description: reset the password by verifying email and discard the old password.