Python Technical Assignment – Riktamtech
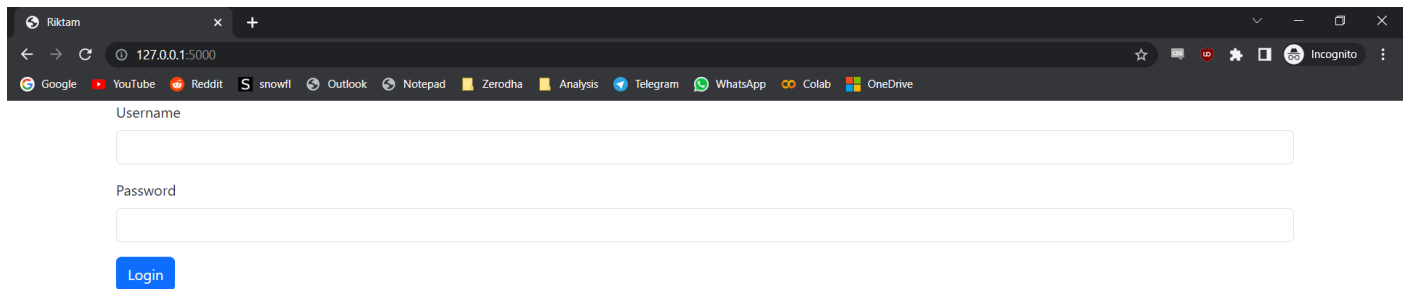
System Requirements:

Windows 10, Python 3.7 or above, flask, flask_sqlalchemy, flask_login and flask_socketio modules

User Guide:

To start the program, run the command "python demoCode.py" from the folder where the script is located. A sqlite database is created (if it does not exist already) in the same folder with a default admin and user profile.

1. Enter the URL http://127.0.0.1:5000/ to access the home page
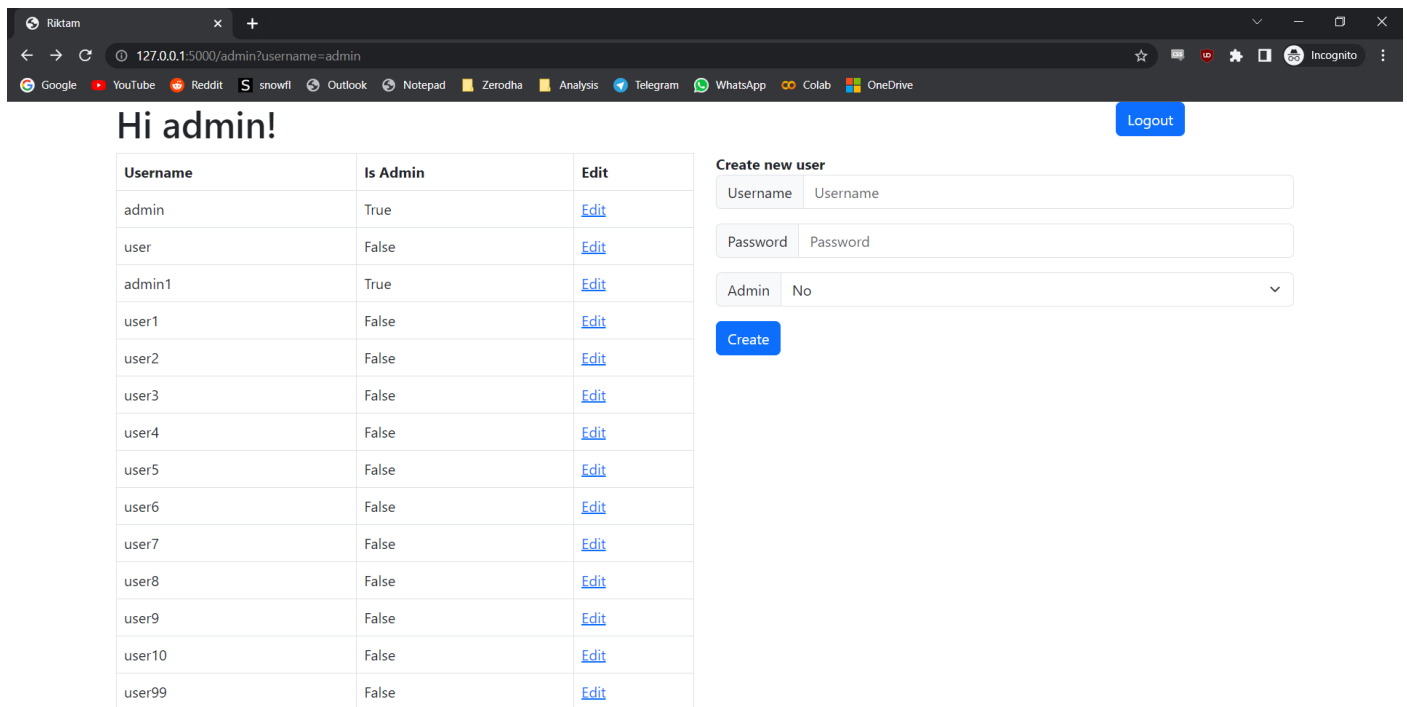
Admin module

2. Login as admin with the credentials username - admin and password – admin. The admin dashboard lists all the users and admins currently present in the database.
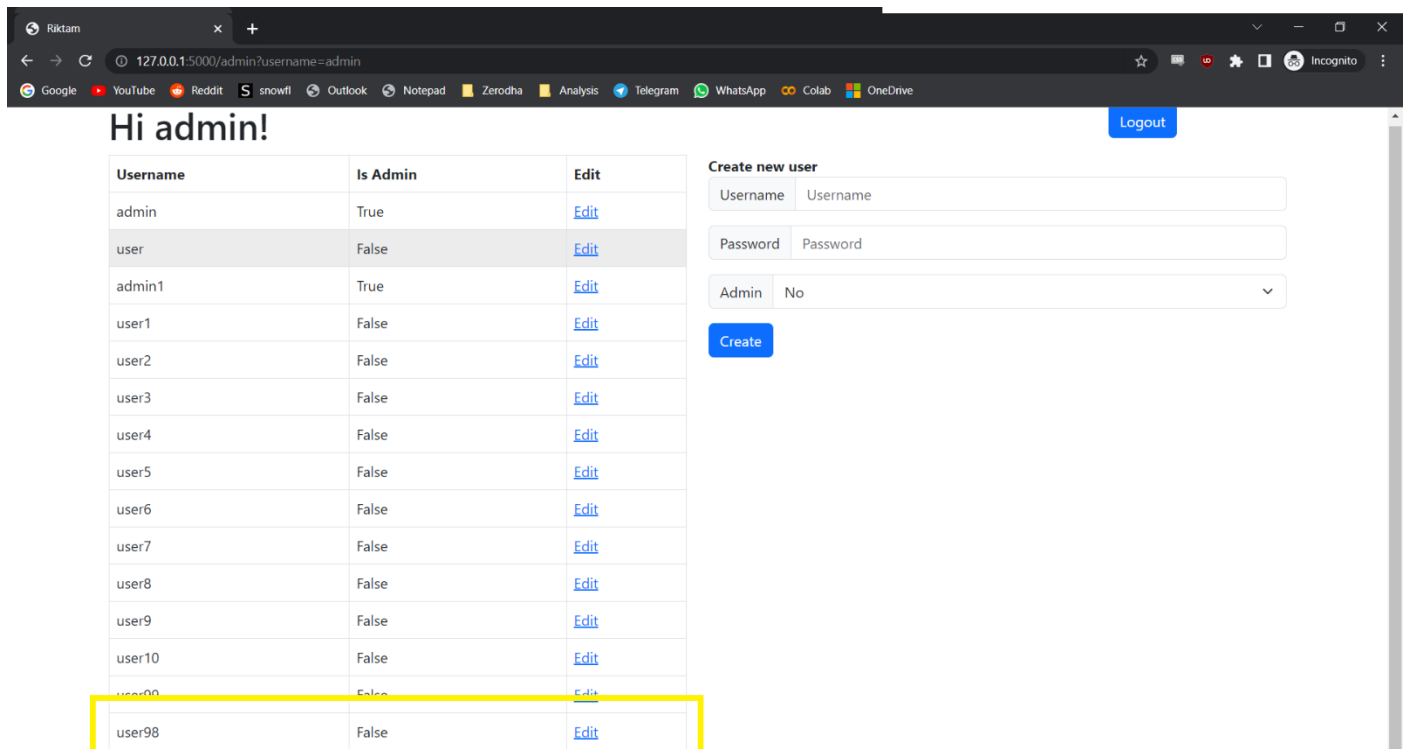

3. A new user can be created using the form on the right side of the page. If user creation is successful the user details will be show on the left pane.

4. Else if there is an error while creating the profile, user is notified of the same.

Create new user

Username	user98

Password	••••••

Admin	No	⌄

Create

- Error creating, please try again

5. User details can be edited by clicking on the corresponding "Edit" link. The username, password and role can be updated from this page and upon submitting the form, we are redirected to the admin dashboard.

Hi admin!

Editing details for user : user99

Username	user97

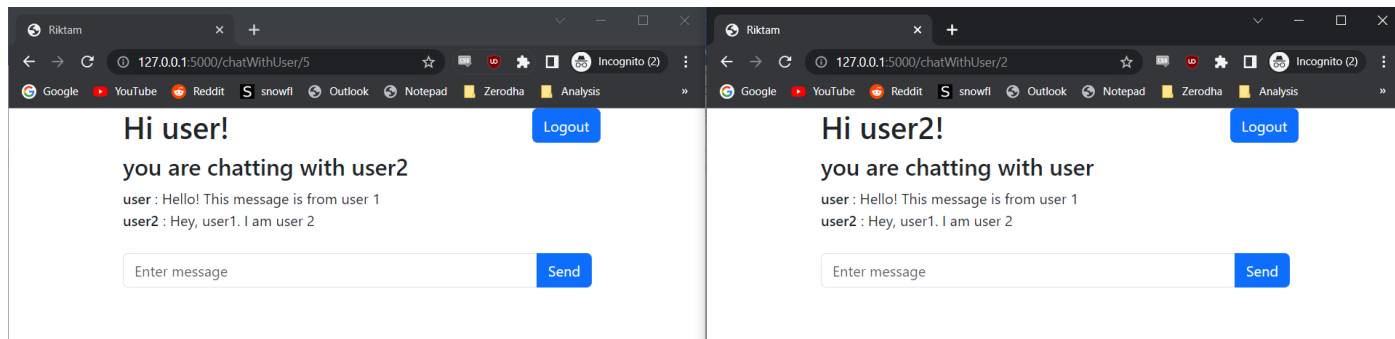| Password	••••••

| Admin	No	⌄

Edit

User module

6. On logging in as a user, we get an option to chat with all other users (non admins) or join any other group. Users also have an option to add a new group on the right.
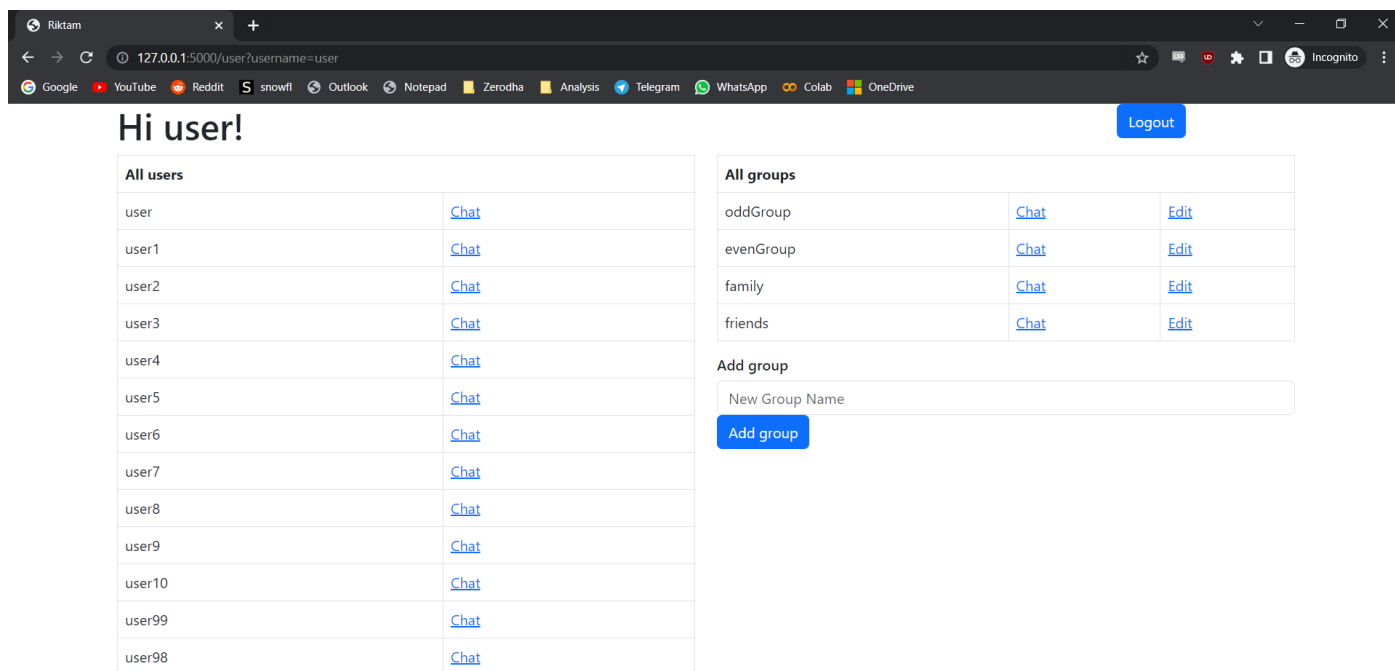
7. Users can select any other user's profile and start a conversation with them. For example, in the below image 'user' and 'user2' are texting each other.

8. Users also have the option to start a group chat, like shown in the below example where 'user1', 'user2' and 'user3' are texting in the 'family' group
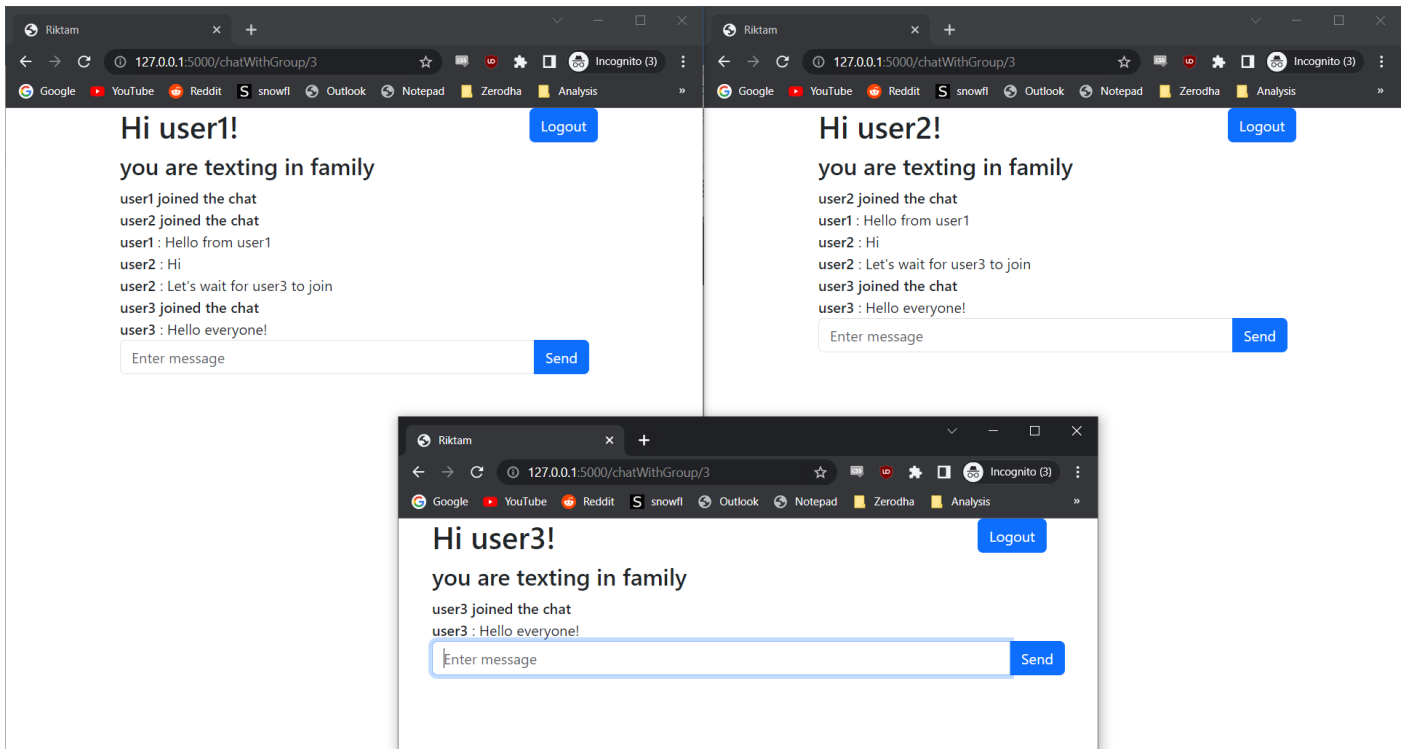
9. Users can also add and remove other users from the group using the edit option. Users who are not already in the group can be selected from the dropdown and added to the current group.

    Whereas, users who are already a part of the group can be removed using the remove dropdown.
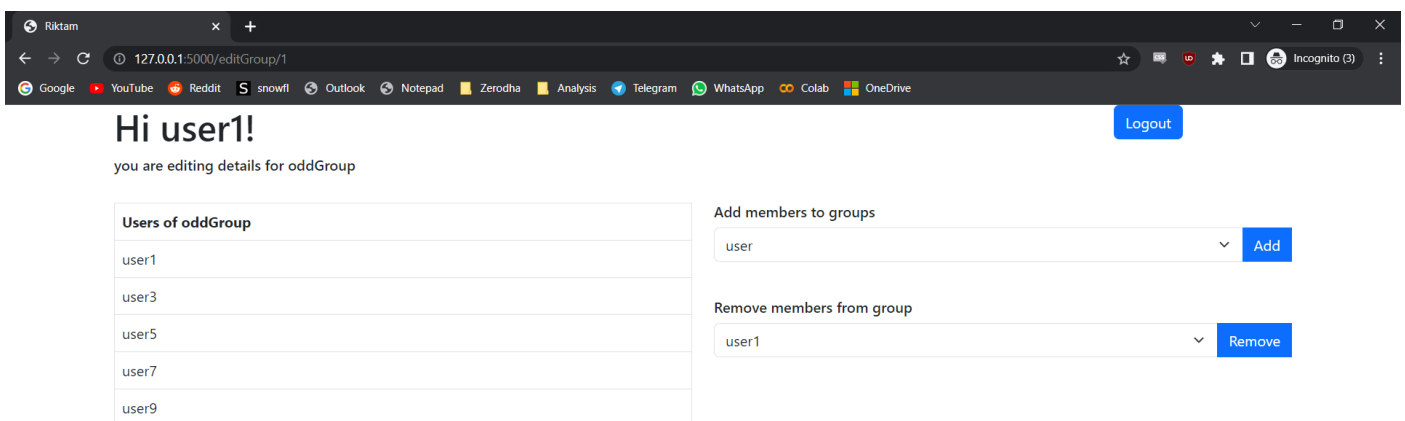
10. The 'Logout' button takes the users to the homepage and clears the current session data.

Logout

Create new user

Username	Username

Password	Password

Admin	No	⌄

Create