

Multi Web Chat Application

As per technical task have built web interface for multi chat by using flask and SocketIO frameworks. This document will guide through the functionality of application.

Admin Login Credentials:

Username: groupadmin

Password: Admin\$2022

Libraries Used:

Requirements.txt file will show the list of libraries and frameworks used in this application with versions.

Steps:

- Activate virtual environment and run application using **flask run** command
- Will get localhost url to launch application and it will redirect through login page.
- Once logged in as admin (can able to see Add Users and Delete Users) redirect through manage page.

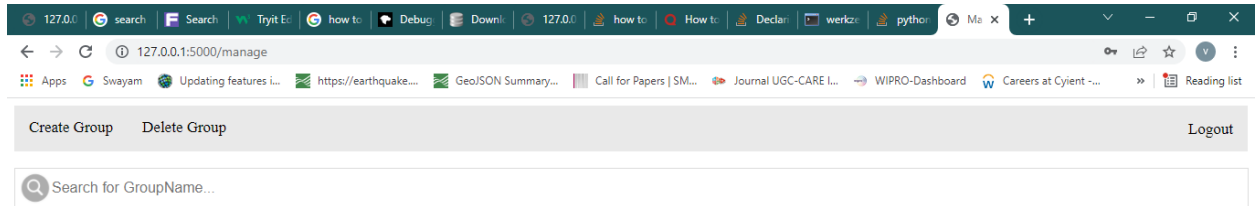
[Create Group](#) [Delete Group](#) [Add Users](#) [Delete Users](#) [Logout](#)

List of Groups:

ID	GroupName	Actions
1	Testing	Add Participants Remove Participants Start Chat
2	Testing1	Add Participants Remove Participants Start Chat
3	Testing2	Add Participants Remove Participants Start Chat
4	JustForTesting_vignesh	Add Participants Remove Participants Start Chat

- All users can able to see all user in manage page.
- Admin have access to all group action items.

- Logged in as normal user.



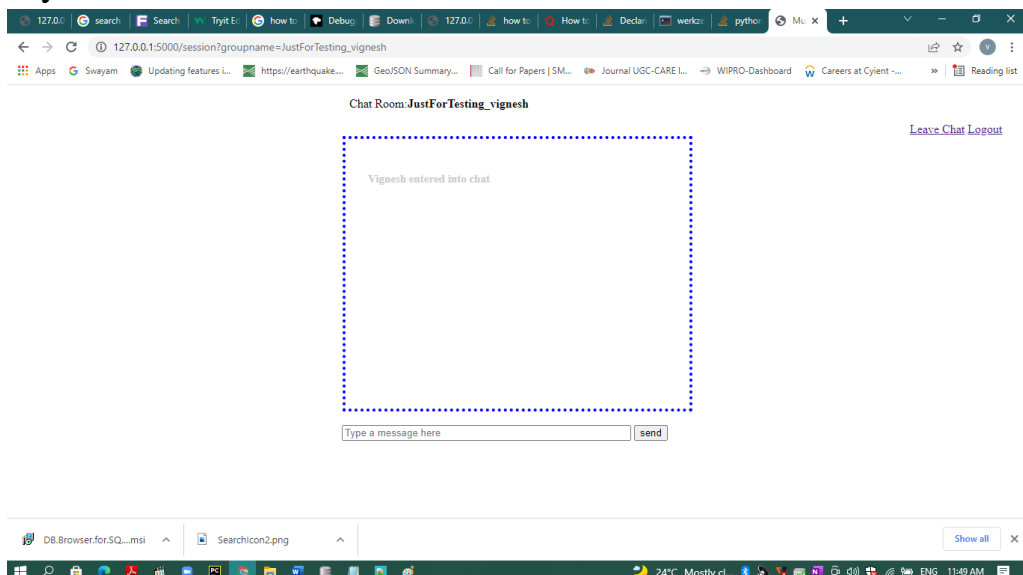
List of Groups:

ID	GroupName	Actions
1	Testing	
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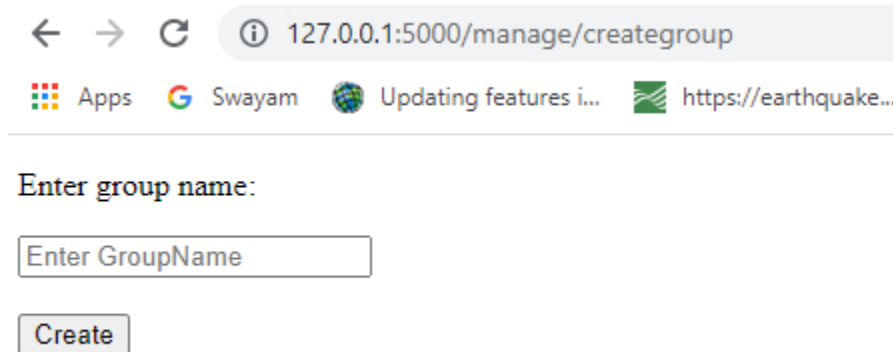
Users:

ID	UserName
1	groupadmin
3	James
4	Vignesh
5	Vignesh2

- Normal user can able to create group and delete their owned group.
- Normal user only can able to start chat if they member of the group.
- Group owner can able to add or remove participants.
- Logout button will logout from the entire things redirect to login page.
- If you click start chat it will redirect to chat room like below.



- By using Create group option we can able to create group and it will store data in Group table the current login user will be the group owner.



← → ↻ ⓘ 127.0.0.1:5000/manage/creategroup

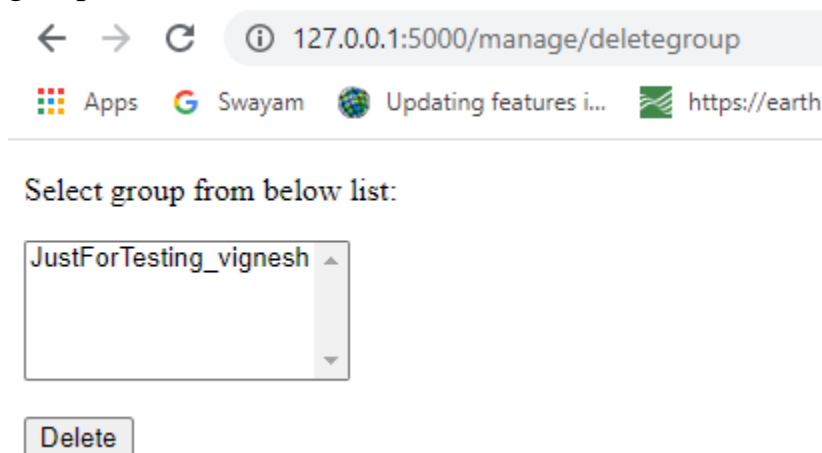
Apps Swayam Updating features i... https://earthquake...

Enter group name:

Enter GroupName

Create

- By using Delete group option we can able to delete group from Group table only the current logged in user owned group. (Admin able to delete all groups)



← → ↻ ⓘ 127.0.0.1:5000/manage/deletigroup

Apps Swayam Updating features i... https://earth...

Select group from below list:

JustForTesting_vignesh

Delete

Rest services:

Rest service URL for Add users:

Token = \$2b\$12\$oYUjXEptvVFcf9GbNHHsUe88GuXVppft9I6sXtI92UqkiUyA.sbO

<http://127.0.0.1:5000/rest/addusers?username=<username>&password=<password>&token=<Token>>

Rest service URL for Delete users:

<http://127.0.0.1:5000/rest/deleteusers?username=<enterusername>&token=<Token>>