

CHATROOM API MANUAL

Server Address :- http://localhost:8000

APIS-

- /add-entry -

- **Method-** POST, **Params-** {"timestamp" : Any future Timestamp, "Message": Message to be displayed }
- Description -
 - Adds the timestamp and message to a json file mydb.json under path **"/data/" + timestamp** until the number of requests received is 1000.
 - After the number of requests is 1000 push the data to database **"chatroom"**. And delete the **"/data/"** path from mydb.json.

- /chat -

- Method - **GET**
- Description -
 - Spawns three schedulers -
 - **Read Scheduler** - To read data from db after every 5 seconds. Data read is between the next 10 sec timestamp. For eg- If api starts at **Timestamp1** so at **Timestamp1+5** read scheduler will read data from db between timestamp **Timestamp1+10** to **Timestamp1+20** and this goes on. Read op results are stored in **mydb.json** file under **/display+timestamp** path.
 - **Delete Scheduler** - To delete data after ever 60 sec from db. Data deleted will have timestamp lesser than current timestamp.
 - **Display Scheduler** - Run every second and read data from **/display/+timestamp** or if data has not been pushed to db, then in that case read from **/data/+timestamp**.