


DescriptionHints

Optimising the Chat App

Task Points: 100 ~~200~~ Task Status: Completed

Task details

One problem with the current app is that whenever user refreshes the page , you have to fetch all the messages that have gone in the group.
This is a big problem because as the number of chats increase the volume of data sent from backend would increase and this would lead to you application slowing down.

One Solution which I have is

1. Store all the messages in local storage.
2. When the user refreshes the screen , read all the messages from the local storage and show it on the frontend. (This would be quick)
3. Now the old messages are already available so from the backend only get the new messages. (There are various way of doing this , use your brains)

Watch this video to understand the algorithm which you have to use <https://www.youtube.com/watch?v=trU-KACO0lo>

One problem of the system

There is one small problem with this approach is that the local storage has only 5 MB of storage. As your chats increase you might have to delete very old chats from the local storage.

Solution

Do not save more than the recent 10 chats in the local storage.
If new chats come then delete the oldest chat which is saved in local storage.

Push the code to git and upload the commit ID

All Tasks

<10 / 17>