

# React chat app

## Problem statement

Create the frontend for a chat application. You can check out the mockups down below.

## Instructions

- Functionality
  - Assume you are a dummy logged in user.
  - Use a json file to load some dummy data in the project.
  - Search : conversations should be searchable by contact name.
  - Left sidebar:
    - Show all the conversations created here
    - Each conversation should have the contact name and some text of the last message in the chat
  - Create conversation button
    - On clicking this open a pop up and load all the contacts (from the dummy data.json/js file).
    - On clicking the contact should start a new conversation (if no conversation was previously started). Or open the existing conversation for that contact.
  - Right side view
    - Show the current selected conversation messages
    - Send a message in the conversation
  - Handle errors and success alerts and show appropriate Alert/Notification.
  - You have to use react-router.
  - **You have to use react hooks ONLY.**
  - Bonus feature: Make the redux data persistent such that after refresh, the messages and conversations are intact.
- You are **ALLOWED** to style the app the way you like. Do whatever you want with the styling. **ONLY** the functionality should work.
- You are **ALLOWED** to google and read how to approach the problem
- **DO NOT** copy and paste code from the internet
- **DO NOT** cheat with other students, I am trusting you all for this one!
- Once you have finished with the test, make a video recording your computer screen (via phone or a software like OBS/screencastify etc) and explaining how you have approached the problem **in code and showing the final product**. The video can be **UPTO 3 mins** long. **Please don't record videos longer than that.**
- Upload the code to github.
- Host your code on github (using gh-pages)/netlify/firebase etc.. (This is mandatory)

- Once you have recorded the video ,upload it on youtube (unlisted or whatever), drive or wherever you want to upload it. **If no video is submitted, the solution will be rejected.**



