Report On Project Work Of Front-End Engineering

Project Name: Dear- Chat

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Introduction

Dear-Chat is a web application that can be simply used to chat with your dear ones . With a clean and minimal UI , dear-chat serves the user with end to end encrypted messaging facility. Wiring up everything, you can say it's just a chatting app but the thing that differentiates it is that it can be used in a way you actually want to use it.
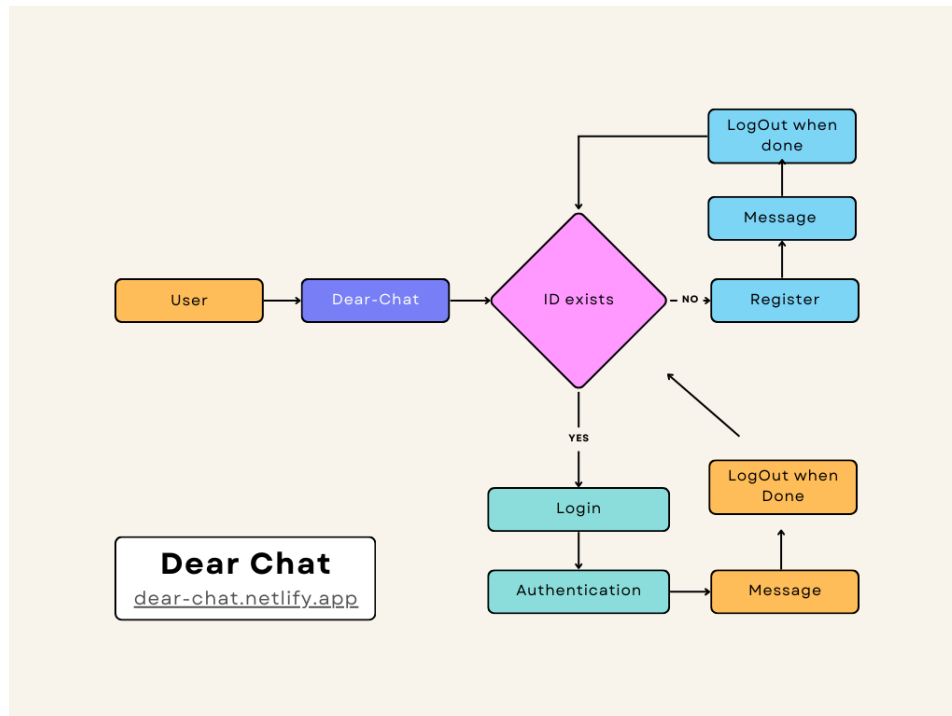
Objectives

1. Creating the process of messaging/chatting a bit clean. By clean, I mean why use the same messaging for personal and professional use.Maybe you can chat with your dear ones using Dear-Chat.

2. Providing a clean and minimal user experience to the user and to the point solution for the purpose of chatting.

3. By the way, I created this for chatting with my dear-ones as you know that these days your phone is not only your phone.Many of the people who borrows your phone may open your What's App first of all. So, why not keep your most secret conversations confidential.

Tech Stack Used

- **React-** I used React for the whole structure or you can say front-end of the web application so that things can be rendered fast and the react hooks made the whole development very easy.

- **Scss-** I used SCSS for the designing part of the web application.The main reason behind using it is that it provides variable creation function which is very useful and also the nesting of elements becomes very easy so that the same code need not to be written multiple times.

- **FireBase-** FireBase has been used for everything related to data-related things. Inbuilt libraries and functions of firebase have been used for authentication,storage and maintenance of user data.
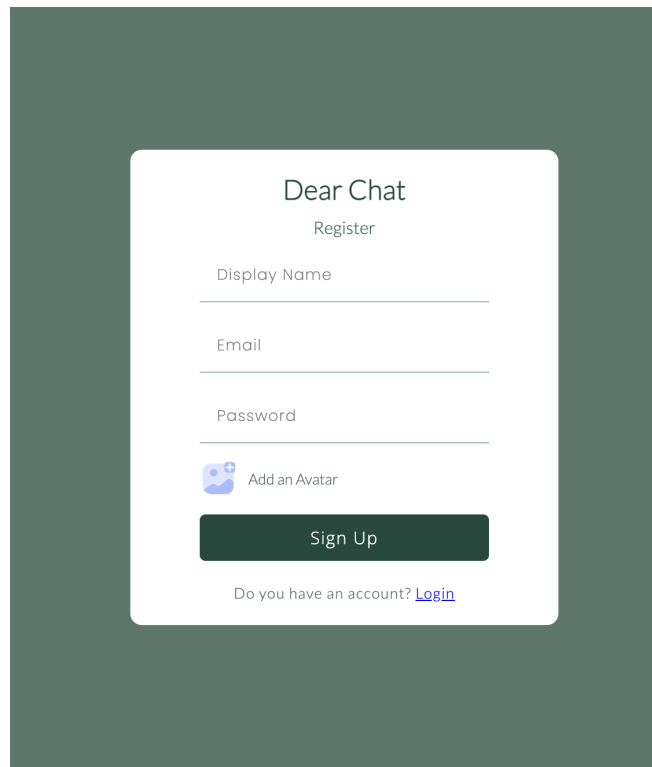
Project-Flow

The flow of the application is in the following way-

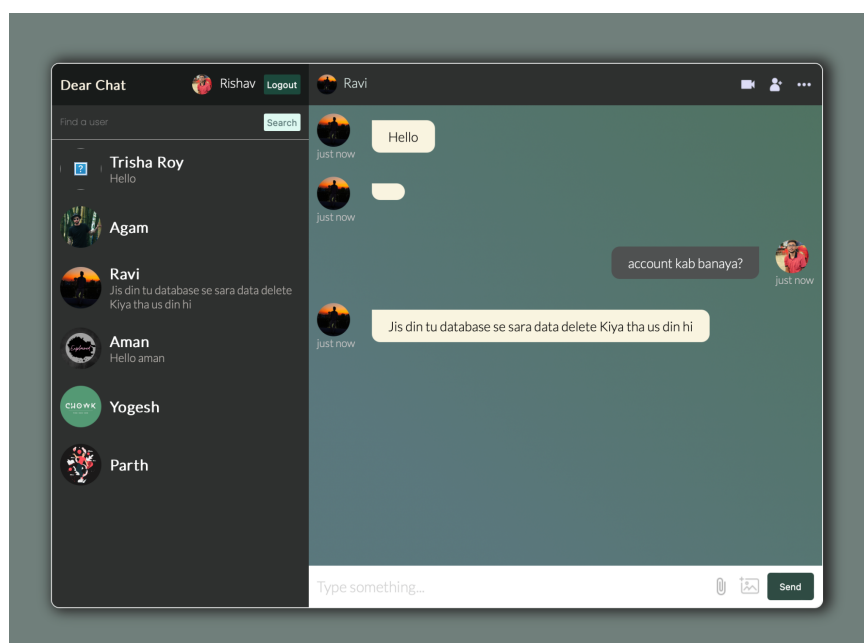1) User visits https://dear-chat.netlify.app and he/she will land into the login page.

2) If he/she does not have an existing ID then he/she needs to visit the register page and sign up with the required details.
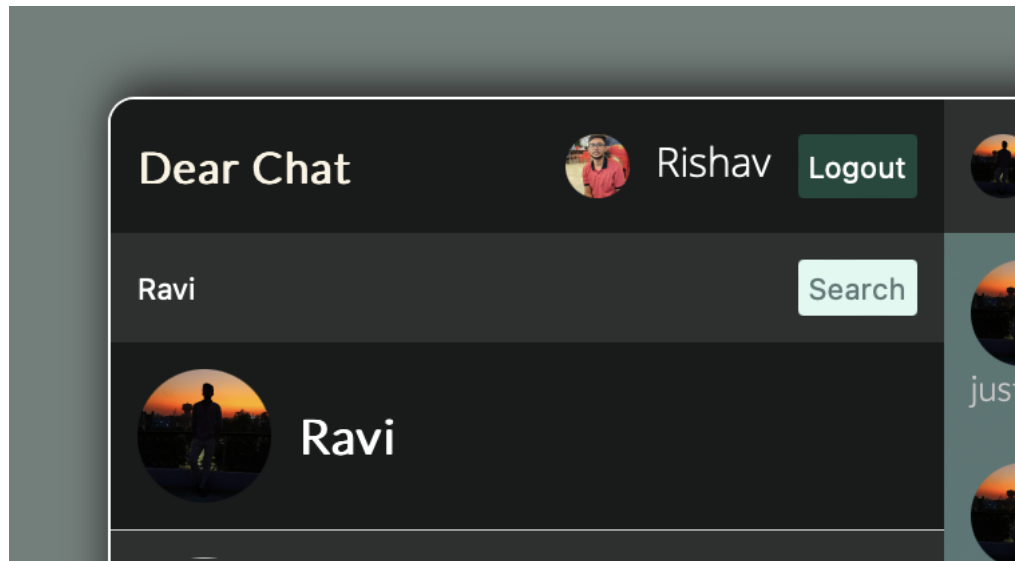

3) After registering and clicking on the Sign Up button , the user will land onto the Home page. Also, same applies with the users having existing ids , he/she just needs to fill the email and password and Sign in.

4) The home page looks something like this. But for a new user, there will be no recent chats ,he/she needs to search for the person in the search tab and click the Search button. If the user that's been searched has also an account in dear-chat , then his account will be shown and the user can message him/her.

5) After messaging is done, the user needs to logout by clicking the Logout button.

Whenever you need to message again, just open Dear-Chat.