

# Dear Chat

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# Origin of the idea->

The thought was quite simple as I wanted to create something that I can actually use and also other people can use it. So I thought why not create a private chatting application so I can chat with my friends and also I can design its UI as per my choice.



# Project vision and mission

The objective of this project was to provide a chatting application with a clean UI and selective use case and precisely providing confidentiality to your private messages.

01. CLEAN/MINIMAL UI

02. SELECTIVE USE CASE

03. SECURE MESSAGES

# Creation Process

**01**

Creating the different components for the whole application in React using JSX.

**02**

Styling the components as needed by using scss and setting up firebase with storage and authentication.

**03**

Installing dependencies and external libraries like React-Router, Firebase etc.

**04**

Creating different functions for the needed functionality of different components .

# Tech & sub-techs

## Front-End / Structure – **React**

- React has been used for the development of this project.
- React-Router and hooks like useState, useContext and useReducer have been used.

## Styling – **SCSS**

- The complete styling has been done using Sassy Css.
- The styling code seems very understandable due to the use of SCSS.

## DataBase+ Authentication- **Firebase**

- Firebase Authentication is used for the Authentication and user Registration.
- Firebase Storage and FireStore have been used for Storage.

## Resources: **For Research**

- Firebase Documentation
- React.dev and some other websites.
- Youtube Videos for some debugging.

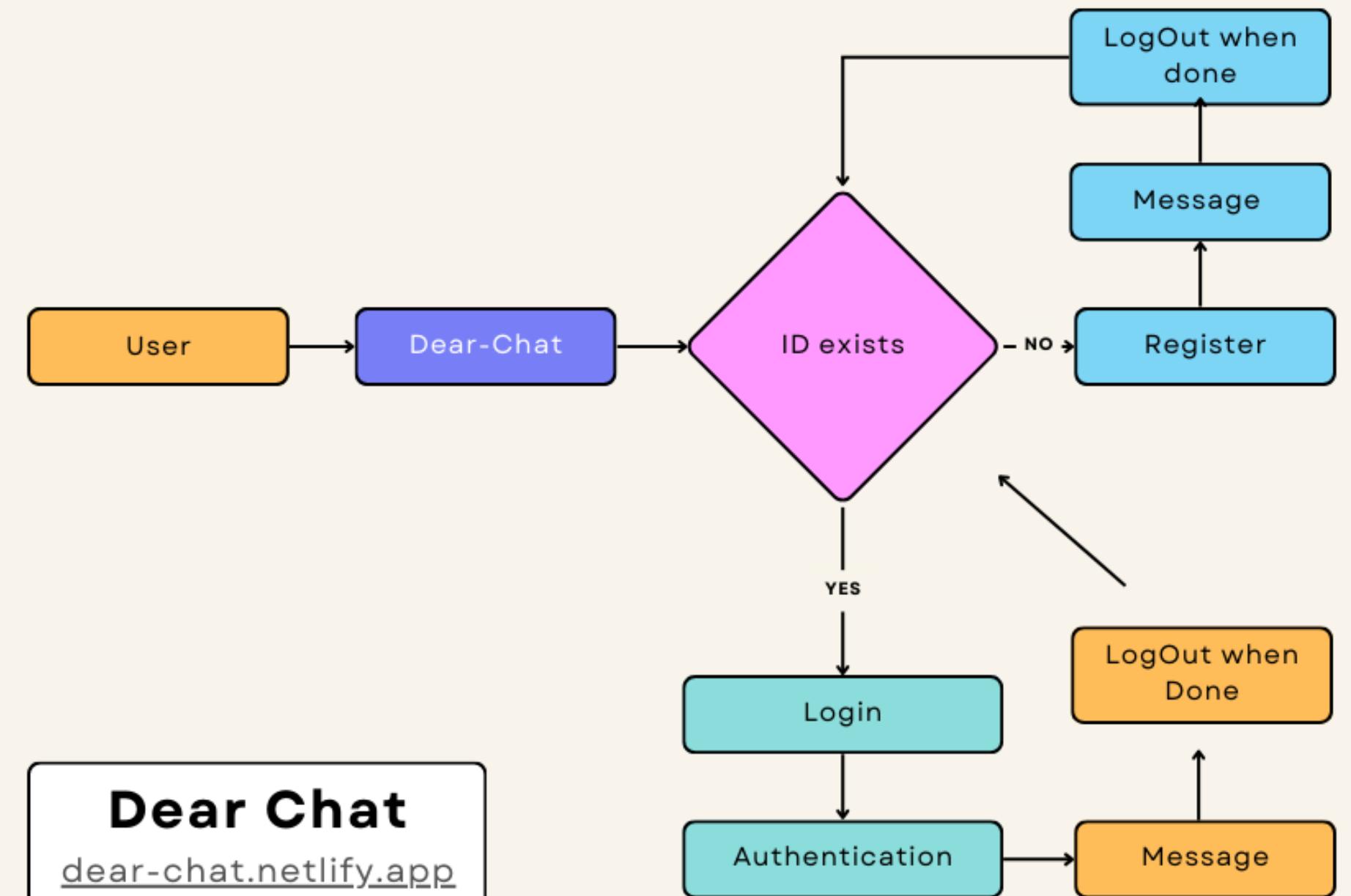


# The Path ->

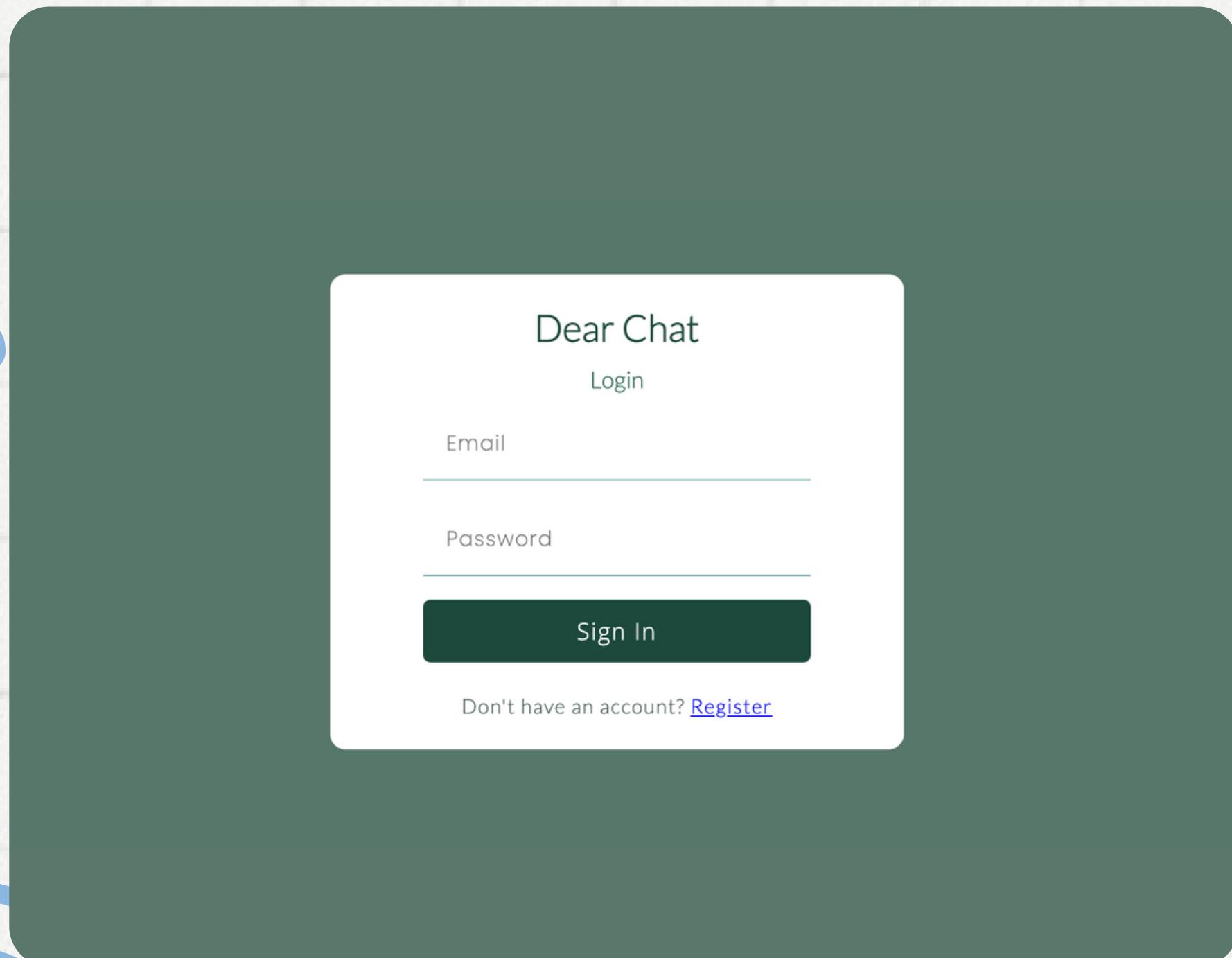
Create your Account now:



[dear-chat.netlify.app](https://dear-chat.netlify.app)



# dear-chat.netlify.app/login



- The user needs to fill the form with his/her credentials and Sign In.
- After the verification of the credentials , user will be redirected to the home page.

# dear-chat.netlify.app/register

- If the user is new to dear-chat then he/she needs to register first by filling this form.
- After Signing Up , a collection for the new user will be created in the Firebase Store and the user will be redirected to the Home page.

Dear Chat  
Register

Display Name

Email

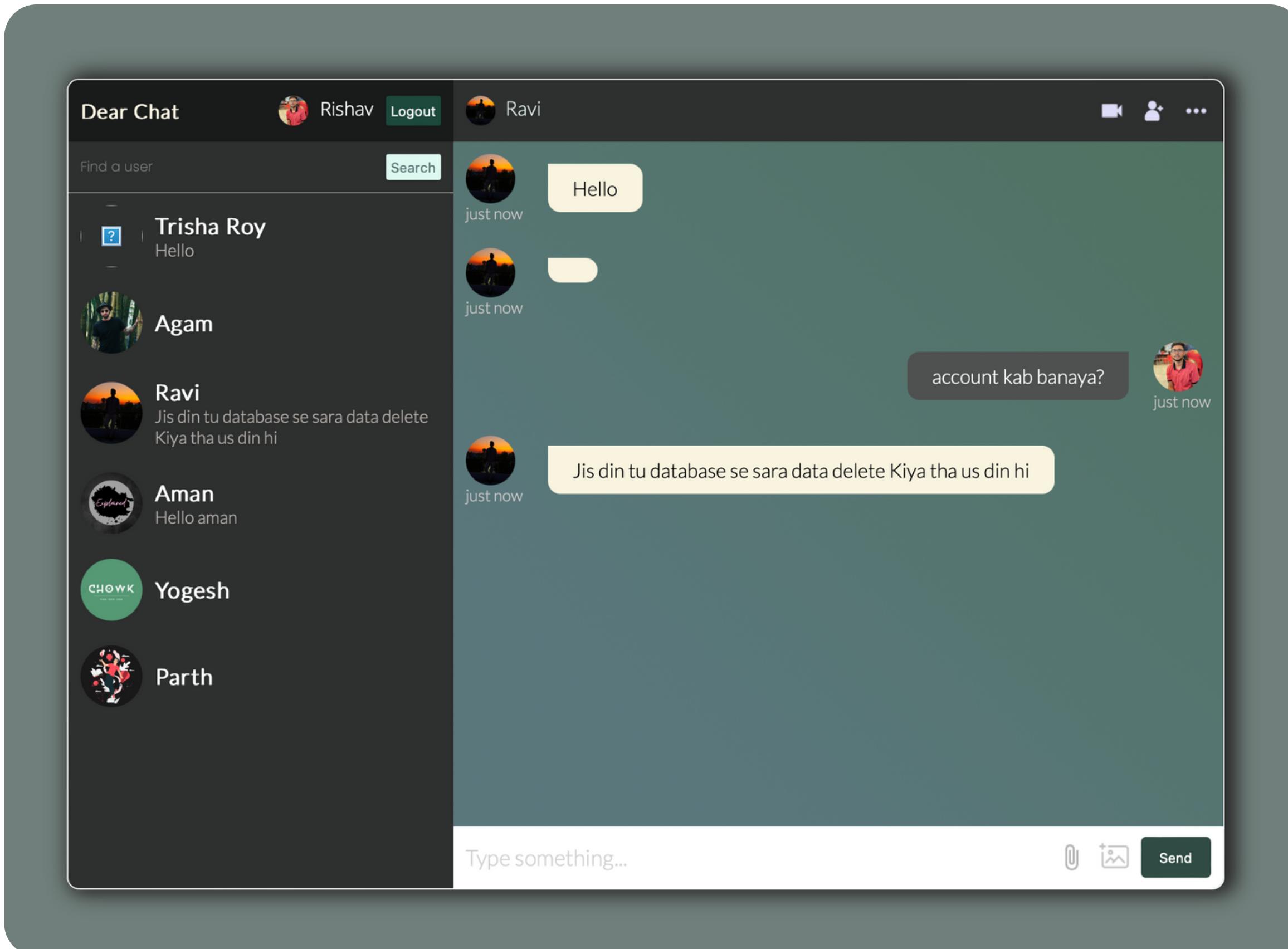
Password

Add an Avatar

Sign Up

Do you have an account? [Login](#)

# dear-chat.netlify.app



## Components:

- Chats
- Message Input
- Messages sent/received
- Navbar
- SearchBar
- SideBar

The user can now send messages to other users of **dear-chat**. He/she just need to **search** the name and tap on the search button and that's all . Now he/she will type the message and click the **Send** Button.

# Final reflections and future steps

Overall, dear-chat is a quite useful chatting application that can be used to send messages to your friends, families and people you know.

- The responsiveness of the web app can be improved for mobiles and tablets.
- Also, feature of video call can be added in this application.



**Thank you  
very much!**

**dear-chat.netlify.app**