



# 5 - React Native Mobile Chat App

Full Project Brief:	<a href="https://drive.google.com/file/d/1EEOhlFC1BAB7EoO39o-mc3wvGGjaAcKX/view?usp=sharing">https://drive.google.com/file/d/1EEOhlFC1BAB7EoO39o-mc3wvGGjaAcKX/view?usp=sharing</a>
Github:	<a href="https://github.com/koernerclaudia/ChitChat">https://github.com/koernerclaudia/ChitChat</a>
Live Project:	n/a , check screen shots
Tech & tools & methods:	ReactNative, Expo, Android Emulator , iOS simulator, Gifted Chat Library, RTAs, Cloud Firestore / Google Firebase (Database)

## Project Objective

To build a chat app for mobile devices using React Native. The app will provide users with a chat interface and options to share images and their location.

## Key Features

- A page where users can enter their name and choose a background color for the chat screen before joining the chat.
- A page displaying the conversation, as well as an input field and submit button. The chat must provide users with two additional communication features: sending images and location data.
- Data gets stored online and offline.

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### 1. What was your role in this project, and what tasks did you face?

React Native /App Developer setting up a chat app for iOS and Android devices, taking into account ethics, authentication (anonymous) of users and permission of media usage.

## **2. What decisions did you take and why? What were the consequences?**

For better distinction within the chat:

- I decided to give the colours of the bubbles of chat participants (sender / recipient) different colours and then let the text colour in those bubbles automatically be changed to dark or light. This meant that I would have more dependencies when adding more features, such as also showing the name of the chat participant in that same bubble and this text colour to also change - which is something I still need to figure out.
- I changed the colours of the background options to something different than in the proposed example for more diversity.

## **3. If you could, what would you do differently?**

- Didn't have the time but would like to display the chat-member's name on each message so that it is distinguishable who is talking when there are more than 2 people in a chat.

## **4. What lessons did you learn during this project?**

- Setting up a chat app is essentially quite easy, BUT the methodology and the code syntax itself will take some time to get into.
- I am creating more repository branches now for my code - 1 per lesson - to really have proper function stages I can go back to.

