React Native task

Title:

Simple chat application.

Description:

Users should be able to create chats, search for chats, connect to exist and delete if the user created the chat. When a user connects to chat, it should be able to write some text, see hardcoded messages from other users.

Tech stack:

- React Native;

- Redux;

- TypeScript

Architecture:

app ┐

┠ core ┐ <- business logic / redux actions

│ ┠ module-1 / service-1 <- for ex, logic to create/update/delete chat

│ ┠ module-2 / service-2

│ └ …

┠ static ┐ <- ‘routing components’ - just represent pages

│ ┠ component-1 <- for ex, Home or Chat page

│ ┠ component-2

│ └ …

┠ shared ┐ <- components to be used in ‘routing components’

┠ component-1 <- for ex, styled button or completed widget

┠ component-2

└ …

Requirements:

- The whole tech stack has been used;

- Architecture used in the correct way;

- There are at least 2 pages;

- There are at least 4 api requests (for each CRUD operation);

- There is at least 1 websocket connection;

- There is at least 1 unit test (it’s up to you which library for testing you want to use);

- Clean code;

Notes:

- IMPORTANT: Task is only for React Native (Just React usage denied).  
- For testing purposes (as mock backend server for api and websockets), you can use Postman or another tool (How to setup mock server in Postman: <https://learning.postman.com/docs/designing-and-developing-your-api/mocking-data/setting-up-mock/> )

- It’s ok to search for existing logic/source code but you have to be aware how logic is working, how to extend and maintain it.

- Please, store your ready solution in github/gitlab/another and share the link to it to HR

- An user can delete only those chats which he created. It’s restricted to delete all other (hardcoded) chats (from other users).

- It’s ok to use Expo and different libraries like React Native Elements / React Native UI / Redux toolkit / thunk