React runs on port 3000

Node.js runs on port 8080

2 paths available

<http://localhost:3000/auth> for sign up and login for testing (email: [test@test.com](mailto:test@test.com), password: 123456)

<http://localhost:3000/> 🡪 for the messages

A user must sign in to view the messages

A user can add replay to any message, but he can edit/delete his own messages only

Pagination is available.

When the user sign in a token is generated on the server side which the user in front must append in any request to success

Validation of user (email – password – name) is added on the server side

Components are functional only and I use React hooks / Redux /Redux-thunk for managing authentication states only.

I created components for the (Header – Footer – Messages (as a container for the messages) – Message for a single message – UI Components (backdrop – Modal – Button – Spinner)

In node I use MVC pattern

Controller: messages, auth

Models: message, user

Routes: messages, auth

I used mongo data base for storing the messages

I have added a middleware for verifying the token which check for it in the header of any requests then decode it to use it in the server side for storing the messages with user Name and user Id