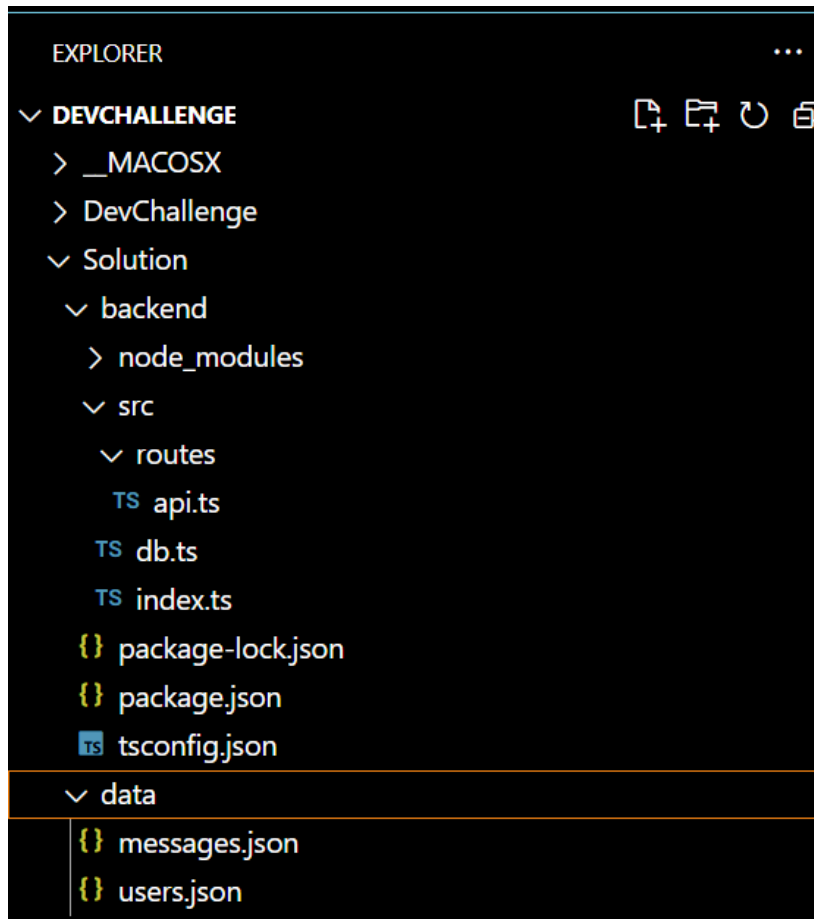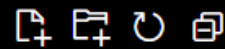# Steps:

1. Set up a new React project with TypeScript for the frontend.
2. Set up a new Express project for the middleware.
3. Set up a new Node project for the backend.
4. Set up a new SQLite database.
5. Used bycrypt for password hashing for security purpose.

EXPLORER   ...

∨ DEVCHALLENGE   🗋 🗁 ↻ 🗗

  ∨ Solution

    ∨ frontend
      > public

      ∨ src

        ∨ components

            ⚛ ChatMessages.tsx
            ⚛ SingleMessage.tsx
            ⚛ UserInfo.tsx

          # App.css
          ⚛ App.test.tsx
          ⚛ App.tsx
          # index.css
          ⚛ index.tsx
          🔒 logo.svg
          TS react-app-env.d.ts
          TS reportWebVitals.ts
          TS setupTests.ts
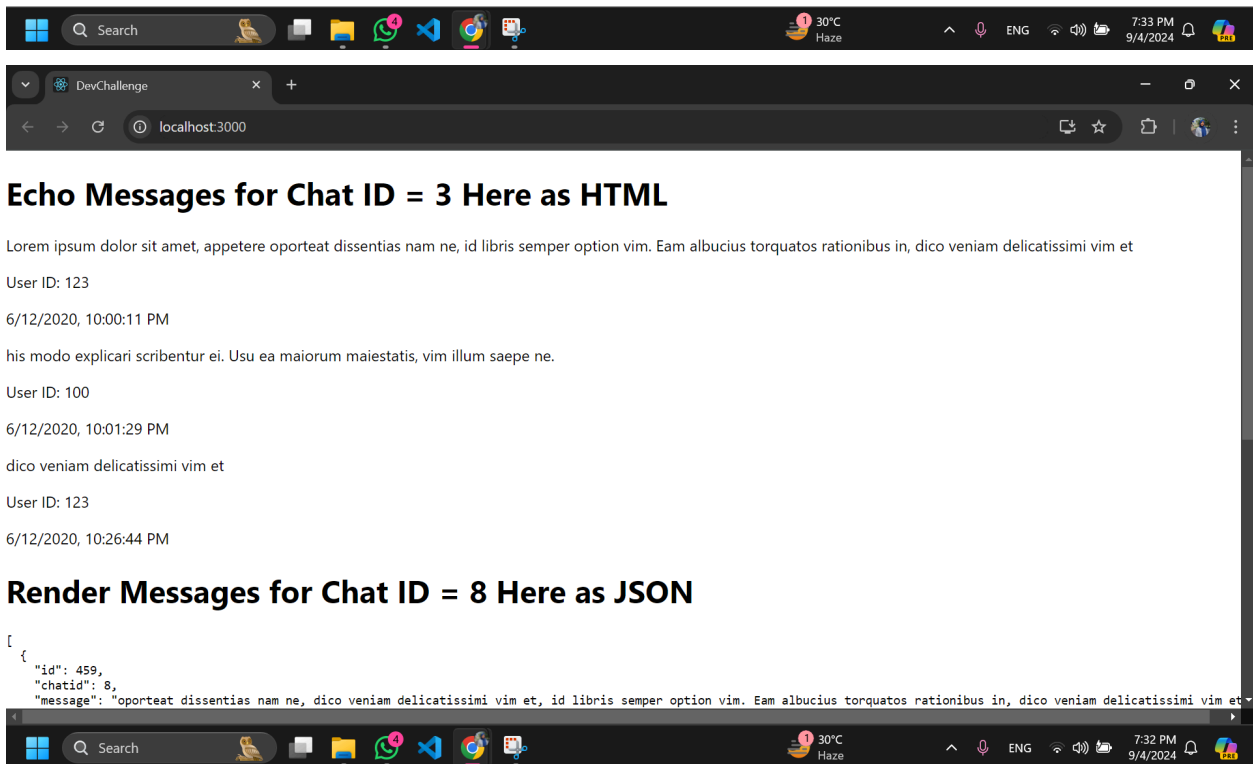
      ◈ .gitignore
      {} package-lock.json
      {} package.json
      ⓘ README.md
      JS tailwind.config.js
      TS tsconfig.json

    ≡ Steps.txt

Welcome to the backend server!

Echo Messages for Chat ID = 3 Here as HTML

Lorem ipsum dolor sit amet, appetere oporteat dissentias nam ne, id libris semper option vim. Eam albucius torquatos rationibus in, dico veniam delicatissimi vim et

User ID: 123

6/12/2020, 10:00:11 PM

his modo explicari scribentur ei. Usu ea maiorum maiestatis, vim illum saepe ne.

User ID: 100

6/12/2020, 10:01:29 PM

dico veniam delicatissimi vim et

User ID: 123

6/12/2020, 10:26:44 PM

Render Messages for Chat ID = 8 Here as JSON

[
  {
    "id": 459,
    "chatid": 8,
    "message": "oporteat dissentias nam ne, dico veniam delicatissimi vim et, id libris semper option vim. Eam albucius torquatos rationibus in, dico veniam delicatissimi vim et

Render Messages for Chat ID = 8 Here as JSON

```
[
  {
    "id": 459,
    "chatid": 8,
    "message": "oporteat dissentias nam ne, dico veniam delicatissimi vim et, id libris semper option vim. Eam albucius torquatos rationibus in, dico veniam delicatissimi vim et",
    "userid": 100,
    "ts": 1591982805
  },
  {
    "id": 550,
    "chatid": 8,
    "message": "Eam albucius torquatos rationibus in, dico veniam delicatissimi vim et",
    "userid": 100,
    "ts": 1591982829
  }
]
```

Render User ID = 100 Here as JSON

```
{
  "id": 100,
  "username": "Tester1",
  "password": "$2a$12$I735k7ULtDCo7BxOuWpJ9uCuoAO8rL1JOhfEpWHNnfyiCkx7TvG2y"
}
```

Echo Message ID = 459 Here as HTML

oporteat dissentias nam ne, dico veniam delicatissimi vim et, id libris semper option vim. Eam albucius torquatos rationibus in, dico veniam delicatissimi vim et

User ID: 100

6/12/2020, 10:26:45 PM