

Chat App Setup Guide

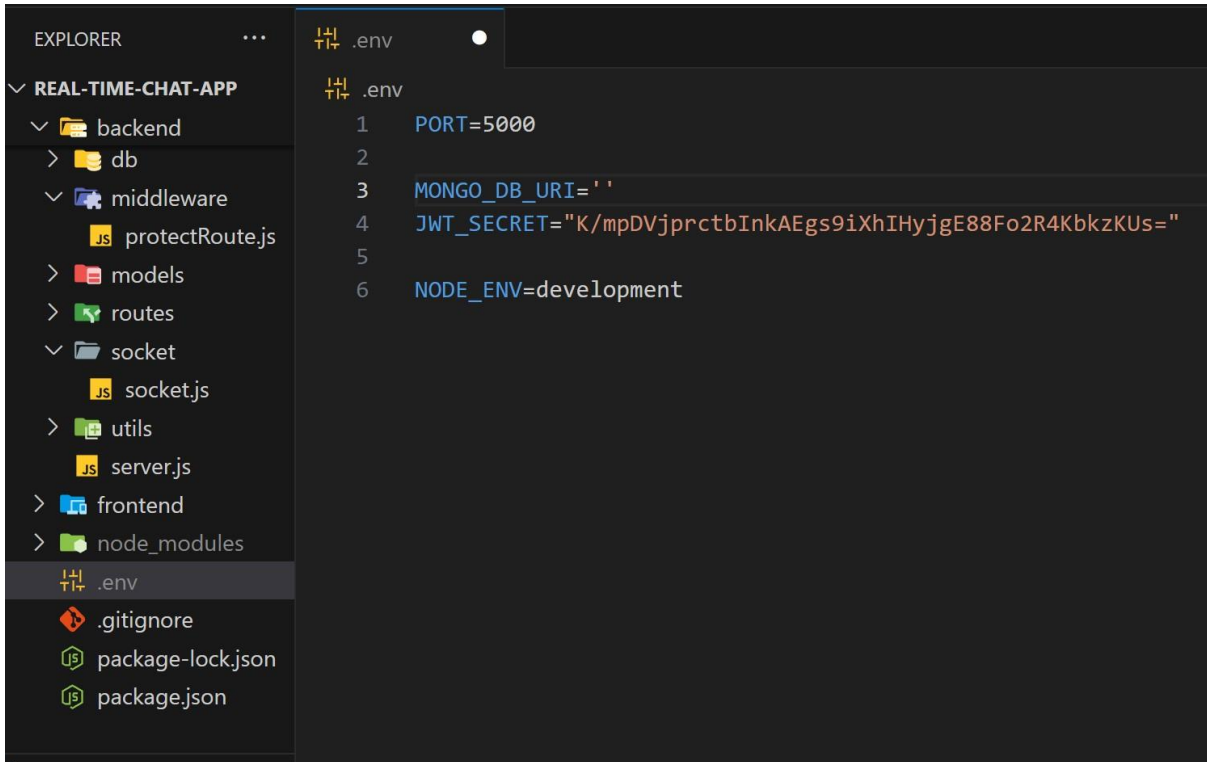
Set up Socket.IO.

```
SocketContext.jsx ×
frontend > src > context > SocketContext.jsx > SocketContextProvider > useEffect() callback
1 import { createContext, useContext, useEffect, useState } from "react";
2 import { useAuthContext } from "../AuthContext";
3 import io from "socket.io-client";
4 import { set } from "mongoose";
5
6 const SocketContext = createContext();
7
8 export const useSocketContext = () => {
9   return useContext(SocketContext);
10 };
11
12 export const SocketContextProvider = ({ children }) => {
13   const [socket, setSocket] = useState(null);
14   const [onlineUsers, setOnlineUsers] = useState([]);
15   const { authUser } = useAuthContext();
16   useEffect(() => {
17     if(authUser){
18       const socket = io("https://chat-app-r6ra.onrender.com", {
19         query: {
20           userId: authUser._id,
21         },
22       });
23
24       setSocket(socket);
25
26       socket.on("getOnlineUsers", (users) => {
27         setOnlineUsers(users);
28       });
29     }
30   });
31 }
```

In the frontend\src\context\SocketContext.jsx directory, change the socket constant to the domain of the application.

Set up Environment Variables in the .env file

Create a .env file and make these four variables. You may keep all the values same, only add the mongo db url of the database.



The image shows a screenshot of a code editor. On the left, the Explorer sidebar shows a project structure for 'REAL-TIME-CHAT-APP'. The files and folders listed are: backend, db, middleware, protectRoute.js, models, routes, socket, socket.js, utils, server.js, frontend, and node_modules. Below these are .env, .gitignore, package-lock.json, and package.json. The main editor area shows the content of the .env file:

```
.env
1  PORT=5000
2
3  MONGO_DB_URI= ''
4  JWT_SECRET="K/mpDVjprctbInkAEgs9iXhIHjygE88Fo2R4KbkzKUs="
5
6  NODE_ENV=development
```

Commands

Build Command - npm run build

Start Command - npm run start

Application Icon



The image shows a screenshot of a code editor with the index.html file open. The code is as follows:

```
1  <!doctype html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <link rel="icon" type="image/svg+xml" href="/vite.svg" />
6      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7      <title>Vite + React</title>
8    </head>
9    <body>
10     <div id="root"></div>
11     <script type="module" src="/src/main.jsx"></script>
12   </body>
13 </html>
```

Add the icon file in the frontend/dist/assets folder and make the same changes on href tag in the 5th line.

Supervised By-

Prof. Tarun Adhikari

Prepared By-

Anuj Rajesh Agrawal,
Software Engineering Intern,
FinesseFleet Corporation, Bengaluru,
India,
agrawal@engg.finessefleet.com,
+91 8767432324