

```
import { useState, useEffect } from "react";
```

```
import { io } from "socket.io-client";
```

```
const socket = io("http://localhost:4000");
```

```
export default function TexcodEditor() {
```

```
  const [text, setText] = useState("");
```

```
  const [users, setUsers] = useState([]);
```

```
  useEffect(() => {
```

```
    socket.on("textUpdate", (newText) => {
```

```
    setText(newText);
```

```
});
```

```
socket.on("userUpdate", (userList) => {
```

```
    setUsers(userList);
```

```
});
```

```
socket.emit("join", { username: `User_${Math.floor(Math.random() * 1000)} ` });
```

```
return () => {
```

```
    socket.off("textUpdate");
```

```
socket.off("userUpdate");
```

```
};
```

```
}, []);
```

```
const handleChange = (e) => {
```

```
  const newText = e.target.value;
```

```
  setText(newText);
```

```
  socket.emit("textUpdate", newText);
```

```
};
```

```
return (
```

```
<div className="p-4">
```

```
<div className="mb-2 p-2 border-b flex justify-between items-center bg-gray-100">
```

```
<h2 className="text-lg font-bold">Texcod - Active Users</h2>
```

```
<span className="text-sm text-gray-600">{users.length} online</span>
```

```
</div>
```

```
<ul className="mb-2 p-2 border rounded bg-gray-50">
```

```
{users.map((user, index) => (
```

```
<li key={index} className="p-1 border-b">{user}</li>
```

```
)))
```

```
</ul>
```

```
<textarea
```

```
className="w-full h-96 border p-2 rounded shadow-md focus:outline-none focus:ring-2 focus:ring-blue-500"
```

```
value={text}
```

```
onChange={handleChange}
```

```
/>
```

```
<div className="mt-2 flex justify-end">
```

```
<button
```

```
className="bg-blue-500 text-white px-4 py-2 rounded shadow hover:bg-blue-600"
```

```
onClick={() => setText("")}
```

```
>
```

```
Clear Text
```

```
</button>
```

</div>

</div>

);

}