

File Edit Selection View Go Run Terminal Help ← → MERN-Login

EXPLORER JS server.js JS App.js M JS LoginForm.js U JS config.js JS authMiddleware.js .env JS User.js JS authRoutes.js X

OPEN EDITORS

- server.js backend
- App.js from... M
- LoginForm.js U
- config.js backen...
- authMiddleware.js
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- X JS authRoutes.js ba...

MERN-LOGIN

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- authMiddleware.js
- models
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- routes
- JS authRoutes.js
- .env
- package-lock.json
- package.json
- server.js
- frontend
- node\_modules
- package-lock.json
- package.json

OUTLINE

TIMELINE

```
1 const express = require("express");
2 const jwt = require("jsonwebtoken");
3 const User = require("../models/user");
4
5 const router = express.Router();
6
7 // Test Route
8 router.get("/test", (req, res) => {
9   res.json({ message: "Test route is working" });
10 });
11
12 // Register Route
13 router.post("/register", async (req, res) => {
14   try {
15     const { username, email, password } = req.body;
16
17     // Check if user already exists
18     const userExists = await User.findOne({ email });
19     if (userExists) {
20       return res.status(400).json({ message: "User already exists" });
21     }
22
23     // Save user directly (Schema handles hashing)
24     const user = new User({ username, email, password });
25     await user.save();
26
27     res.status(201).json({ message: "User registered successfully" });
28   } catch (error) {
29     console.error("Registration Error:", error);
30     res.status(500).json({ message: "Server Error" });
31   }
32 });
33
34 // Login Route
35 router.post("/login", async (req, res) => {
36   console.log("Login route was hit");
37 }
```

Ln 74, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live Prettier

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MERN-Login

server.js App.js M LoginForm.js U Login.js U X config.js .env User.js authRoutes.js

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    - JS Register.js U
    - App.css
- OUTLINE
- TIMELINE

```
1 import LoginForm from '../components/LoginForm';
2
3 const Login = () => {
4   return (
5     <div>
6       <h1>Login Page</h1>
7       <LoginForm />
8     </div>
9   );
10 };
11
12 export default Login;
13
```

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live Prettier

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MEERN-Login

server.js App.js src M LoginForm.js X config.js .env User.js authRoutes.js App.js frontend U

OPEN EDITORS

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MEERN-Login

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      - JS LoginForm.js U
    - pages
  - App.css
  - App.js M
  - App.test.js
- OUTLINE
- TIMELINE

```
1 import { useState } from "react";
2 import axios from "axios";
3
4 const LoginForm = () => {
5   const [email, setEmail] = useState("");
6   const [password, setPassword] = useState("");
7   const [error, setError] = useState("");
8
9   const handleSubmit = async (e) => {
10     e.preventDefault();
11     try {
12       const res = await axios.post("http://localhost:5000/api/auth/login", { email, password });
13       alert("Login Successful");
14     } catch (err) {
15       setError(err.response?.data?.message || "Login failed");
16     }
17   };
18
19   return (
20     <div>
21       <h2>Login</h2>
22       {error && <p style={{ color: "red" }}>{error}</p>}
23       <form onSubmit={handleSubmit}>
24         <input type="email" placeholder="Email" onChange={(e) => setEmail(e.target.value)} required />
25         <input type="password" placeholder="Password" onChange={(e) => setPassword(e.target.value)} required />
26         <button type="submit">Login</button>
27       </form>
28     </div>
29   );
30 };
31
32 export default LoginForm;
33
```

Ln 25, Col 28 Spaces: 2 UTF-8 CRLF JavaScript Go Live Prettier

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backend > models > JS User.js > UserSchema.pre("save") callback

```
1 const mongoose = require("mongoose");
2 const bcrypt = require("bcryptjs");
3
4 const UserSchema = new mongoose.Schema({
5   username: { type: String, required: true },
6   email: { type: String, required: true, unique: true },
7   password: { type: String, required: true },
8 });
9
10 // * Hash password before saving the user
11 UserSchema.pre("save", async function (next) {
12   if (!this.isModified("password")) return next();
13   const salt = await bcrypt.genSalt(10);
14   this.password = await bcrypt.hash(this.password, salt);
15   next();
16 });
17
18 // * Compare passwords when logging in
19 UserSchema.methods.matchPassword = async function (enteredPassword) {
20   return await bcrypt.compare(enteredPassword, this.password);
21 };
22
23 const User = mongoose.model("User", UserSchema);
24 module.exports = User;
25
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

ord: 'password123' }  
✓ Login successful  
✓ Login route was hit  
✖ Received Data: { email: 'sarala347@gmail.com', password: 'password123' }  
✓ Login successful

Ln 11, Col 47 Spaces: 2 UTF-8 CRLF JavaScript Go Live Prettier

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      - App.js M
      - App.test.js
      - index.css
      - index.js
  - OUTLINE
  - TIMELINE

```
1 import { BrowserRouter as Router, Routes, Route } from "react-router-dom";
2 import Login from "../pages/Login";
3
4 function App() {
5   return (
6     <Router>
7       <Routes>
8         <Route path="/" element={<Login />} />
9       </Routes>
10    </Router>
11  );
12
13
14 export default App;
15
```

Sirala (1 day ago) Ln 12, Col 2 Spaces: 2 UTF-8 LF JavaScript Go Live Prettier

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Introducing ChatGPT | OpenAI

MERN Login Setup

MERN-CRUD Data | Cloud: Mor

localhost:5000/api/auth/test

localhost:5000/api/auth/test

+

cloud.mongodb.com/v2/67cafca9571de71f863027c9#/metrics/replicaSet/57cafdbb52bb4a694681e222/explorer/mern\_login/users/find

Google Chrome isn't your default browser

Set as default

Atlas

sarala's Org

Access Manager

Billing

All Clusters

Get Help

sarala

mern\_task

Data Services

Charts

Overview

SARALA'S ORG - 2025-03-01 > MERN\_TASK > DATABASES

MERN-CRUD

8.0.4

AWS Mumbai (ap-south-1)

Overview

Real Time

Metrics

Collections

Atlas Search

Query Insights

Performance Advisor

Online Archive

Cmd Line Tools

DATABASES: 2

COLLECTIONS: 2

+ Create Database

Search Namespaces

mern\_login

users

test

Visualize Your Data

Refresh

mern\_login.users

STORAGE USED: 40MB

LOGICAL DATA SIZE: 40MB

TOTAL DOCUMENTS: 1

INDEXED TOTAL SIZE: 10MB

Find

Indexes

Schema Anti-Patterns

Aggregation

Search Indexes

Generate queries from natural language in Compass

Filter

Type a query: { field: 'value' }

Reset

Apply

Options

INSERT DOCUMENT

QUERY RESULTS: 1 OF 1

```
{
  "_id": "ObjectID('67d5a506c310b9224ff2164c')",
  "username": "sarala",
  "email": "sarala347@gmail.com",
  "password": "52b519d54fghkuaeLKHf5f9W_4b5yLmGRH1B5qUM6L_q2KcKcHEaqlpya",
  "__v": 0
}
```

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# Login Page

## Login

Invalid Credentials

sarala347@gmail.com





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- Login.js U

OUTLINE

TIMELINE

```
1 const mongoose = require("mongoose");
2 require("dotenv").config();
3
4 const connectDB = async () => {
5   try {
6     await mongoose.connect(process.env.MONGO_URI);
7     console.log("MongoDB Connected");
8   } catch (error) {
9     console.error("MongoDB Connection Error:", error);
10    process.exit(1);
11  }
12 }
13
14 module.exports = connectDB;
```

Ln 6, Col 23 Spaces: 2 UTF-8 CRLF JavaScript Go Live Prettier

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React App

React App

localhost:3000

# Login Page

## Login

localhost:3000

Login Successful

OK

InspectorConsoleDebuggerNetworkStyle EditorPerformanceMemoryStorageAccessibilityApplication

Filter Output

Download the React DevTools for a better development experience: <https://reactjs.org/link/react-devtools>

POST

http://localhost:5000/api/auth/login

react-dom.development.js:19695

[HTTP/1.1 200 OK 297ms]

OPTIONS

http://localhost:5000/api/auth/login

[HTTP/1.1 204 No Content 5ms]

>>

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