
TA3A-B: Vinyl Store Application (MERN)

Charmaine Nyathi • 13.3.2025

Overview

Technologies Used

Frontend: React, Tailwind CSS

Backend: Node.js, Express,
MongoDB

Authentication: JSON Web
Tokens (JWT)

Deployment: Vercel

R14 Key Code Explanation

Key Code 1: Handling Orders

Step 1:
Receives
order data
from the
frontend
(userId,
cartItems,
etc.).

```
13  const placeOrder = async (req, res) => {  
14    try {  
15      const { userId, items, amount, address } = req.body;  
16  
17      const orderData = {  
18        userId,  
19        items,  
20        address,  
21        amount,  
22        paymentMethod: "COD",  
23        payment: false,  
24        date: Date.now(),  
25      };  
26    }  
27  }
```

Key Code 1: Handling Orders

Step 2:

Creates a new order and saves it to MongoDB using new orderModel()

```
const newOrder = new orderModel(orderData);  
await newOrder.save();  
  
await userModel.findByIdAndUpdate(userId, { cartData: {} });
```

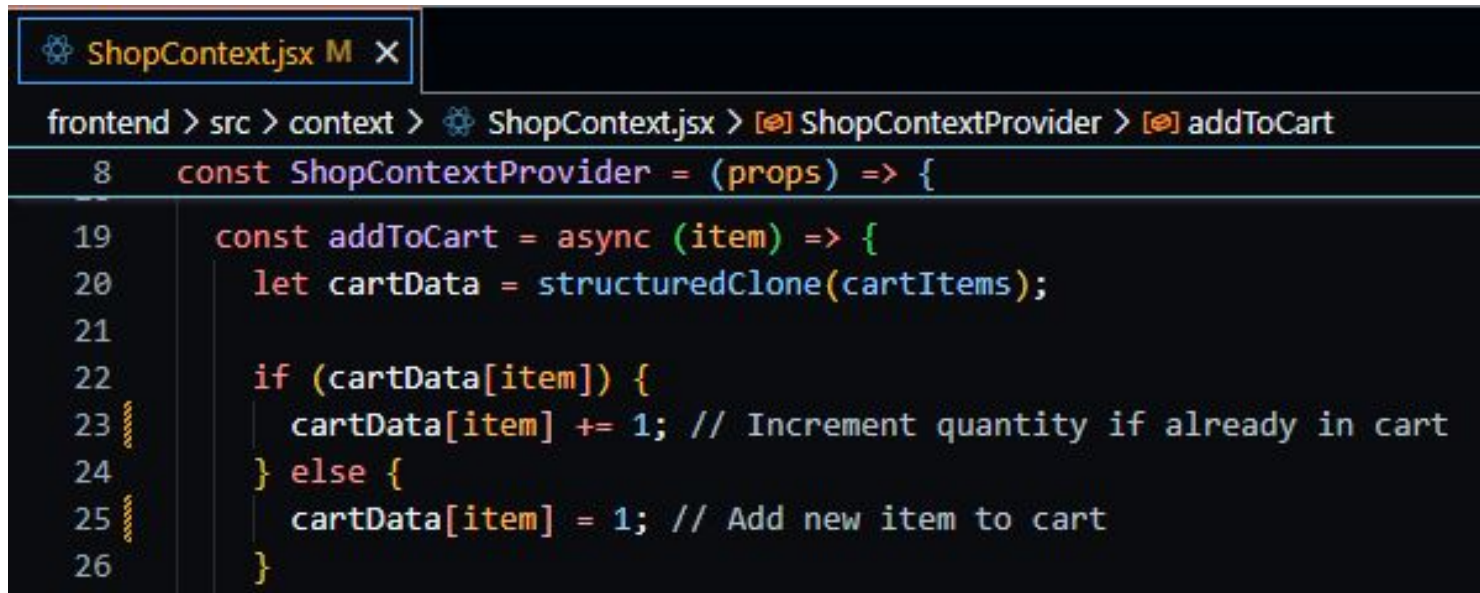
.

Key Code 1: Handling Orders

Step 3: Sends
a response
back to the
frontend
confirming
the order.

```
res.json({ success: true, message: "Order Placed" });  
} catch (error) {  
  console.log(error);  
  res.json({ success: false, message: error.message });  
}
```

Key Code 2: Cart Functionality



```
ShopContext.jsx M X
frontend > src > context > ShopContext.jsx > ShopContextProvider > addToCart
8  const ShopContextProvider = (props) => {
19    const addToCart = async (item) => {
20      let cartData = structuredClone(cartItems);
21
22      if (cartData[item]) {
23        cartData[item] += 1; // Increment quantity if already in cart
24      } else {
25        cartData[item] = 1; // Add new item to cart
26      }
    }
  }
```

ShopContext.jsx

R15 Challenges

Challenge 1: bcrypt deployment

This Serverless Function has crashed.

Your connection is working correctly.

Vercel is working correctly.

500: INTERNAL_SERVER_ERROR

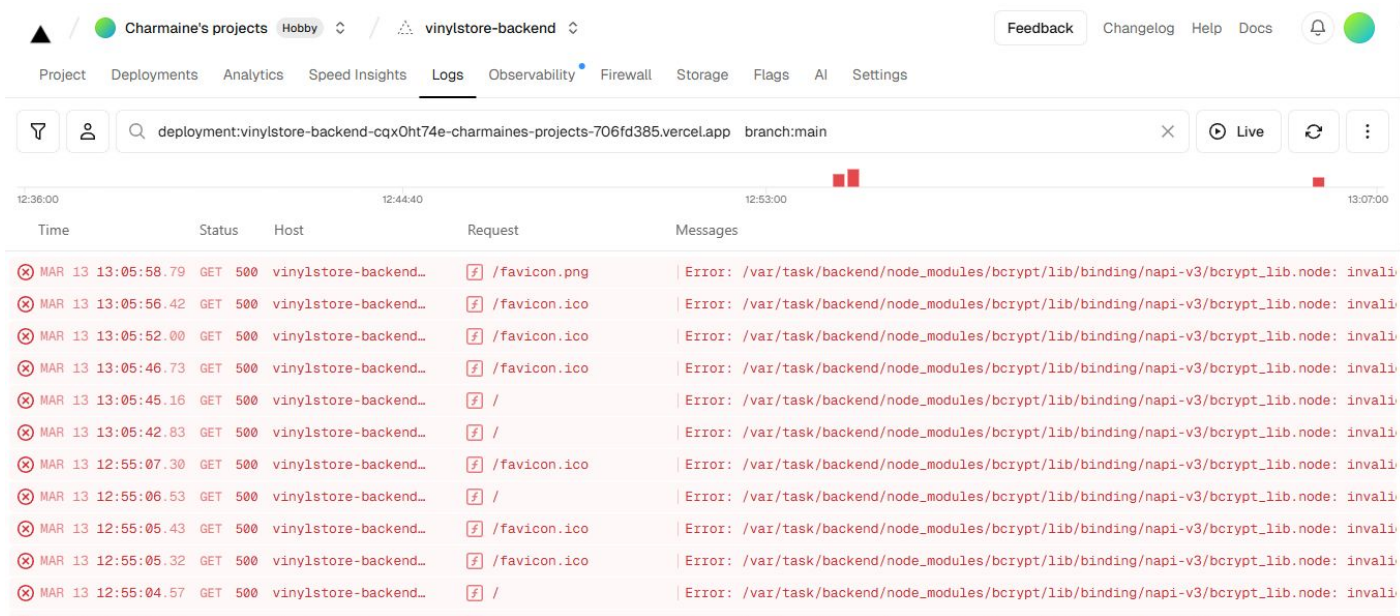
Code: `FUNCTION_INVOCATION_FAILED`

ID: `syd1::8sqzb-1741831281863-8f8b3f4697fa`

- If you are a visitor, contact the website owner or try again later.
- If you are the owner, [learn how to fix the error](#) and [check the logs](#).

Deployed API

Challenge 1: bcrypt deployment



Charmaine's projects Hobby vinylstore-backend

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Project Deployments Analytics Speed Insights **Logs** Observability Firewall Storage Flags AI Settings

deployment:vinylstore-backend-cqx0ht74e-charmaines-projects-706fd385.vercel.app branch:main

12:36:00 12:44:40 12:53:00 13:07:00

Time	Status	Host	Request	Messages
⊗ MAR 13 13:05:58.79	GET	500 vinylstore-backend...	/favicon.png	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 13:05:56.42	GET	500 vinylstore-backend...	/favicon.ico	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 13:05:52.00	GET	500 vinylstore-backend...	/favicon.ico	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 13:05:46.73	GET	500 vinylstore-backend...	/favicon.ico	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 13:05:45.16	GET	500 vinylstore-backend...	/	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 13:05:42.83	GET	500 vinylstore-backend...	/	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 12:55:07.30	GET	500 vinylstore-backend...	/favicon.ico	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 12:55:06.53	GET	500 vinylstore-backend...	/	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 12:55:05.43	GET	500 vinylstore-backend...	/favicon.ico	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 12:55:05.32	GET	500 vinylstore-backend...	/favicon.ico	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid
⊗ MAR 13 12:55:04.57	GET	500 vinylstore-backend...	/	Error: /var/task/backend/node_modules/bcrypt/lib/binding/napi-v3/bcrypt_lib.node: invalid

Vercel

Challenge 1: bcrypt deployment

▼ TERMINAL

```
Error [ERR_MODULE_NOT_FOUND]: Cannot find package 'bcrypt.js' imported from C:\Users\Charmaine\Documents\CODING ACADEMY\vinylecommerceapp\vinyl-frontend\backend\controllers\userController.js
    at packageResolve (node:internal/modules/esm/resolve:857:9)
    at moduleResolve (node:internal/modules/esm/resolve:926:18)
    at defaultResolve (node:internal/modules/esm/resolve:1056:11)
    at ModuleLoader.defaultResolve (node:internal/modules/esm/loader:654:12)
    at #cachedDefaultResolve (node:internal/modules/esm/loader:603:25)
    at ModuleLoader.resolve (node:internal/modules/esm/loader:586:38)
    at ModuleLoader.getModuleJobForImport (node:internal/modules/esm/loader:242:38)
    at ModuleJob._link (node:internal/modules/esm/module_job:135:49) {
  code: 'ERR_MODULE_NOT_FOUND'
}
ACADEMY\vinylecommerceapp\vinyl-frontend\backend> █
```

Terminal

Challenge 1: bcrypt deployment

JS userController.js M X

backend > controllers > JS userController.js > ...

```
1 import validator from "validator";
2 import bcrypt from "bcrypt";
3 import jwt from "jsonwebtoken";
4 import userModel from "../models/userModel.js";
5
```

before

JS userController.js X

backend > controllers > JS userController.js > ...

```
1 import validator from "validator";
2 import bcrypt from "bcryptjs";
3 import jwt from "jsonwebtoken";
4 import userModel from "../models/userModel.js";
5
```

after

UserController.js

Challenge 2: Cart Not Updating Properly

```
4  const addToCart = async (req, res) => {  
11  
12    const userData = await userModel.findById(userId);  
13    let cartData = userData.cartData || {};  
14  
15    cartData[itemId] = (cartData[itemId] || 0) + 1;  
16  
17    await userModel.findByIdAndUpdate(userId, { cartData });  
18  
19    res.json({ success: true, message: "Added To Cart", cartData });  
20  } catch (error) {  
21    console.log(error);  
22    res.json({ success: false, message: error.message });  
}
```

cartController.js

DEMO

QUESTIONS
