Module 4Activity 1

Brandon Trinkle

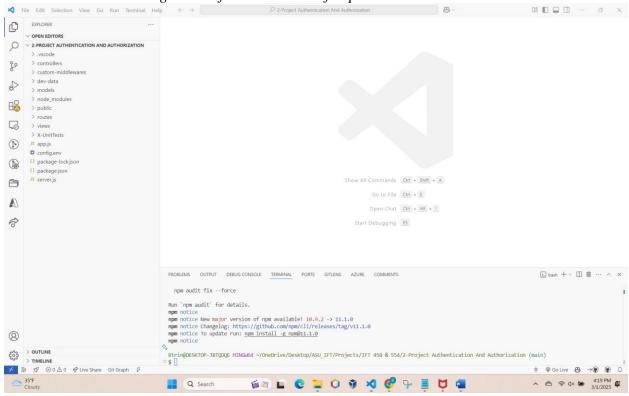
IFT 458: Middleware Prog & Database Sec

Professor: Dinesh Sthapit

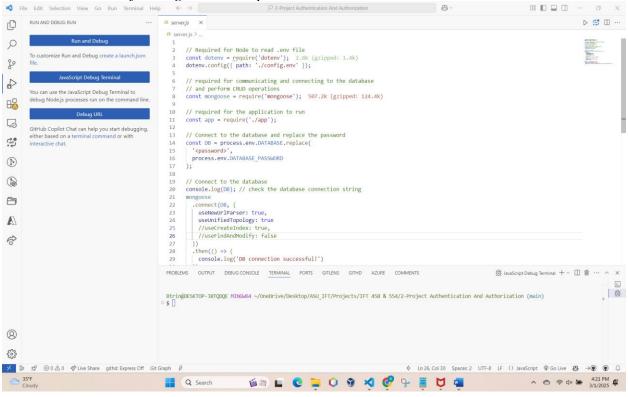
Mar 1, 2025

Module 4 Activity 1

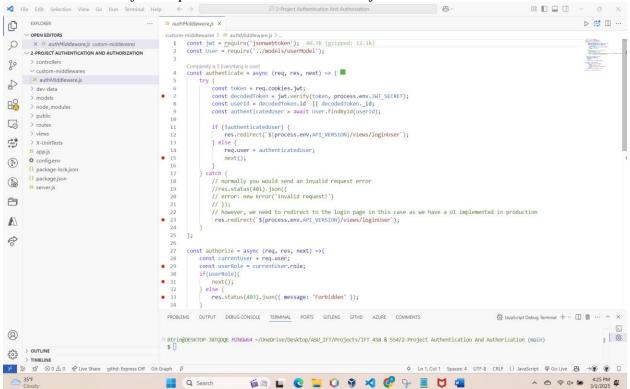
1. Terminal showing successful installation of dependencies.

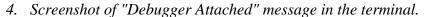


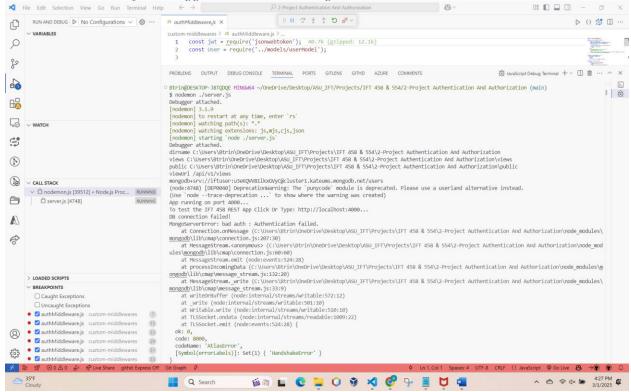
2. Screenshot of Debug Terminal open in VSCode.



3. Screenshot of Breakpoints set in authMiddleware.js.







Note: The iftuser password in config.env didn't work. I changed the MongoDB database and password to the one created earlier in class. This wasn't specified in the instructions, but it was necessary to complete the assignment on time.

5. Screenshot of Homepage of the application in the browser. ← → ♂ ⊙ localhost:4000 ☆ 🚨 : 3/1/2025, 4:28:25 PM Your IP address is: 98.5.196.243 Welcome to Book Exchange! Book Exchange Register Login Available Books: No books available for exchange at the moment. Book Exchange Platform © 2023 35°F Cloudy ^ ♠ ∮× ☎ 428 PM ∰ Q Search 🚳 🖬 🖸 📜 🗘 🐧 🎺 🤣 🕒 📱 💆 🖷 🧔 6. Screenshot of the "Add New Book Exchange" page and the login screen. ▼ S Login ☆ 🚨 : 3/2/2025, 11:28:05 AM Your IP address is: 98.5.196.243 Login email:



Password:

Login
Don't have an account? Sign-up

3/2/2025, 11:30:03 AM

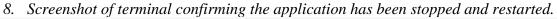
Your IP address is: 98.5.196.243

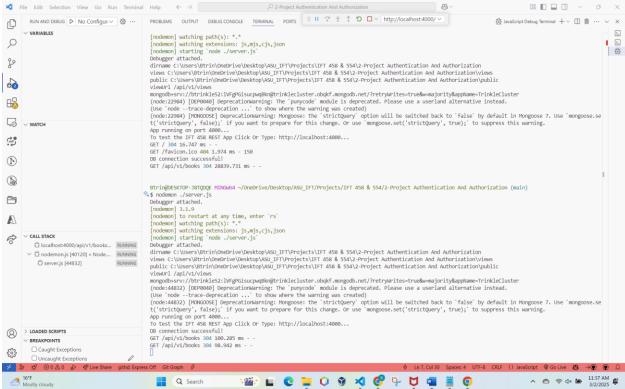
Authorization Successful!
Welcome, Brandon Trinkle!
btrinkl1@asu.edu!
Token, eyJhbGciOiJIUzI1NilsInR5cCl6lkpXVCJ9.eyJpZCl6ljY3YzQ4NzhiNTA4MWJmN2FhOWNIMDFhMSIsImlhdCl6MTc0MDkzMzAwMywiZXhwljoxNzQxNzk3MDAzfQ.hOC3xhZYd6HU0OmRRpUxR1Er- rHPpwZiP8Vcn09_ceM!
You can now access the platform's features.
Go to home

7. Screenshot of "Add New Book Exchange" page, indicating access to protected resources.





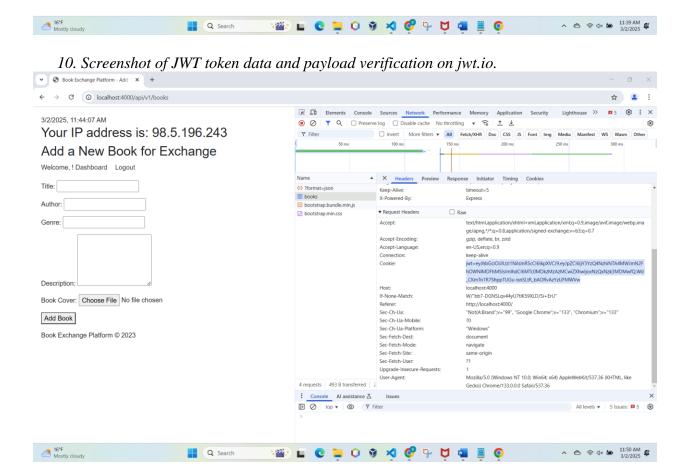


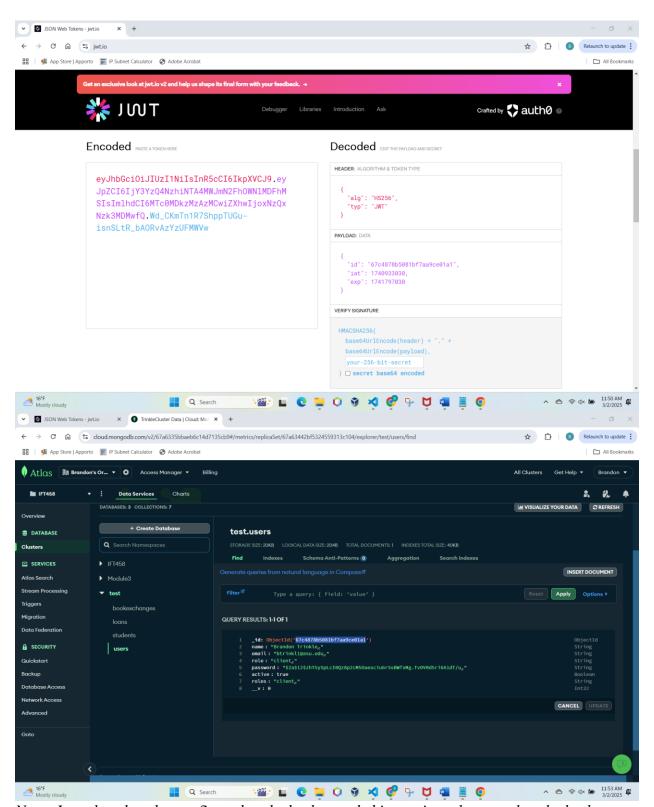


Note: Was able to stop and restart the server and did not have to log back in. However, this appears like a security vulnerability.

9. Screenshot of direct access to the "Add New Book Exchange" UI, showing session persistence.







Note: Jwt token decoder confirms that the hash encoded in our jwt token matches the hash assigned to our _id stored in MongoDB. The specific users collection stores login information — which uses jwt (json web token) as per the code specified in authController.js and userModel.js.