# Module 6 Activity 1: Advanced Middleware and Routing in Express.js

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# IFT 458: Middleware Programming

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**Module 6 Activity 2: Advanced Middleware and Routing in Express.js**

*Screenshot 1: Of app.js showing the implementation of dynamic routes.*

*A screenshot of a computer

AI-generated content may be incorrect.*

*Screenshot 2: Of the middleware code for request validation in app.js.*

*A screenshot of a computer

AI-generated content may be incorrect.*

*Screenshot 3: Showing a route in app.js with a complex middleware chain.*

*A screenshot of a computer

AI-generated content may be incorrect.*

*Screenshot 4: Of the error handling middleware in app.js.*

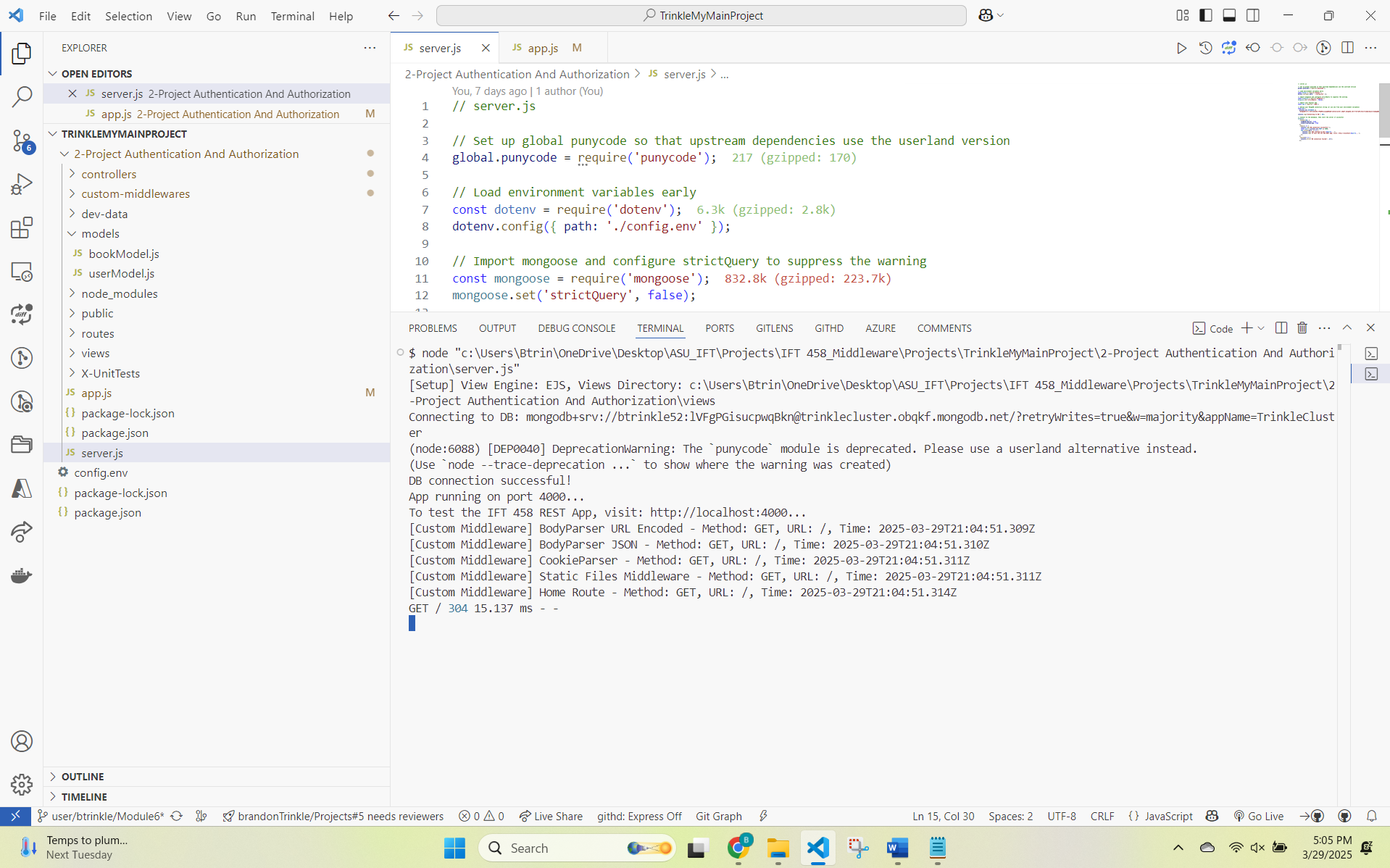
*A screenshot of a computer

AI-generated content may be incorrect.*

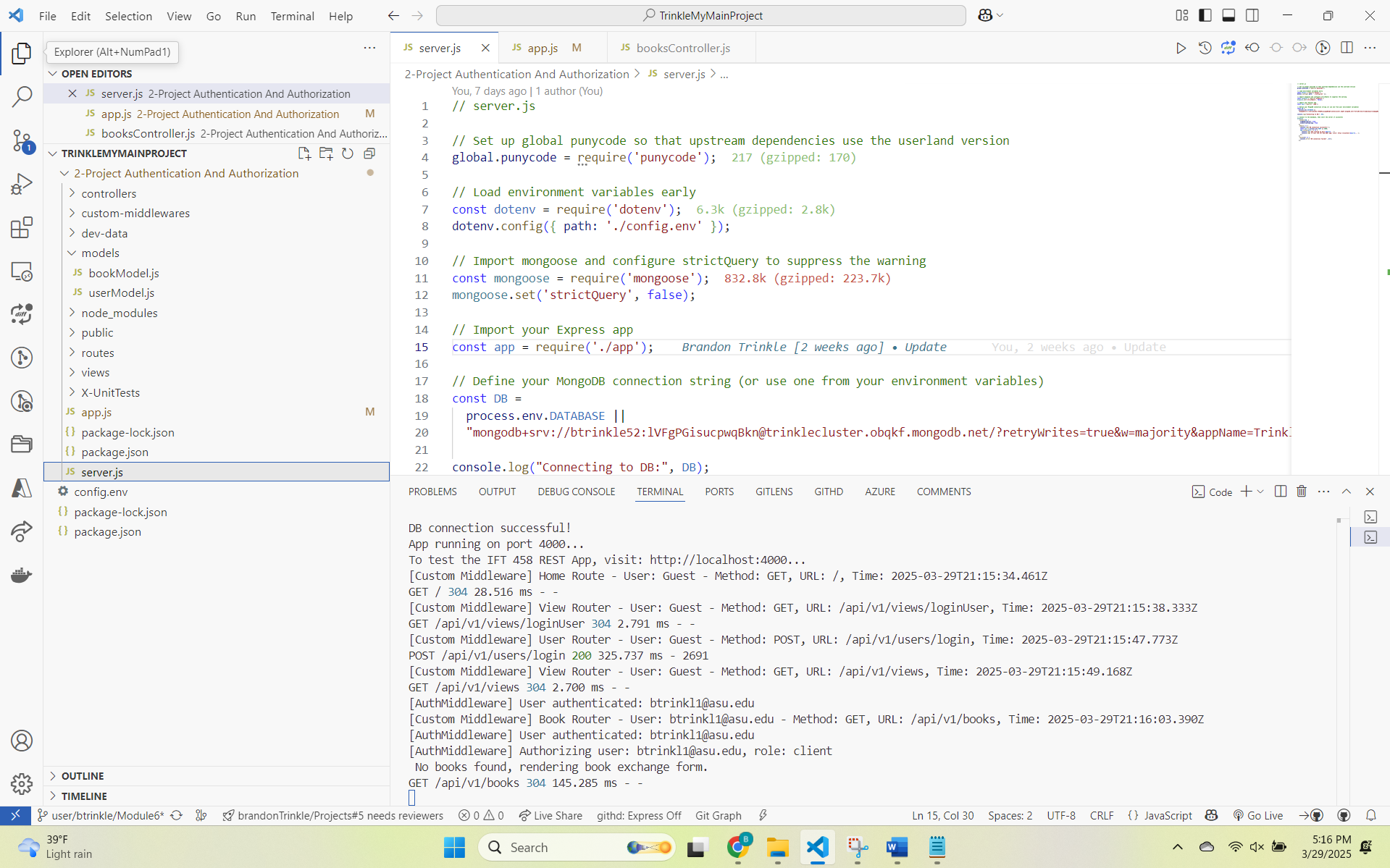
*Note: During testing it outputs a lot of nuisance logs – I did my best to limit the number of logs.*

*Screenshot 5: Showcasing test cases and responses for different error types.*

* *Running host on server (Custom Middleware)*

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* *Logging in (Auth Middleware)*

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* *Error handling Middeware 404*

*A screenshot of a computer

AI-generated content may be incorrect.*

*Method: Attempting to use* [*http://localhost:4000/non-existent-route*](http://localhost:4000/non-existent-route)

* *Error handling middleware 500*

*A screenshot of a computer

AI-generated content may be incorrect.*

*Method: Need to add a bug to app.js where it attempts to call a route that is not defined. For this test I defined as trigger-500. Then I use the route to trigger error 500.*