# Module 7 Activity 1: Generating SSL Certificate and Configuring HTTPS Server in Node.js on Windows

# Brandon Trinkle

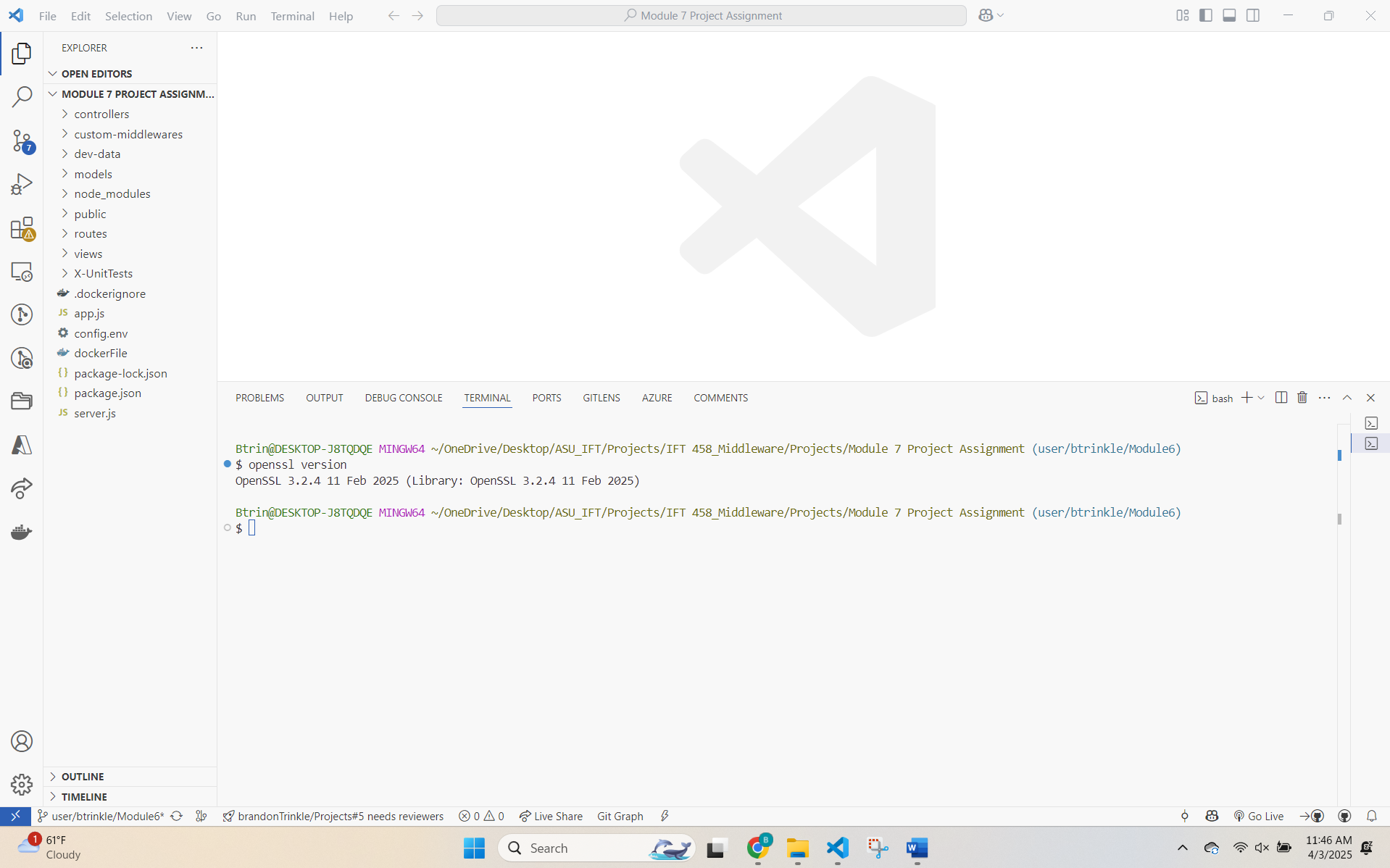
# IFT 458: Middleware Programming

# Professor Dinesh Sthapit

# April 3, 2025

# Module 7 Activity 1: Generating SSL Certificate and Configuring HTTPS Server in Node.js on Windows

*Screenshot 1: Showing the OpenSSL installed confirmation.*

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*Screenshot 2: Showing Command Prompt after generating server.key.*

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AI-generated content may be incorrect.*

*Screenshot 3: Showing execution of command to generate server.cert.*

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AI-generated content may be incorrect.*

*Screenshot 4: Showing filled-in certificate information prompts.*

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*Screenshot 5: Showing output of verification commands in Command Prompt.*

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*Note: Screenshot contains command line input and output, excluding key and cert information.*

*Screenshot 6: Of the project folder with server.key and server.cert files.*

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*Screenshot 7: Showing the modified Server.js file in your IDE.*

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*Screenshot 8: Showing the terminal with the running Node.js server.*

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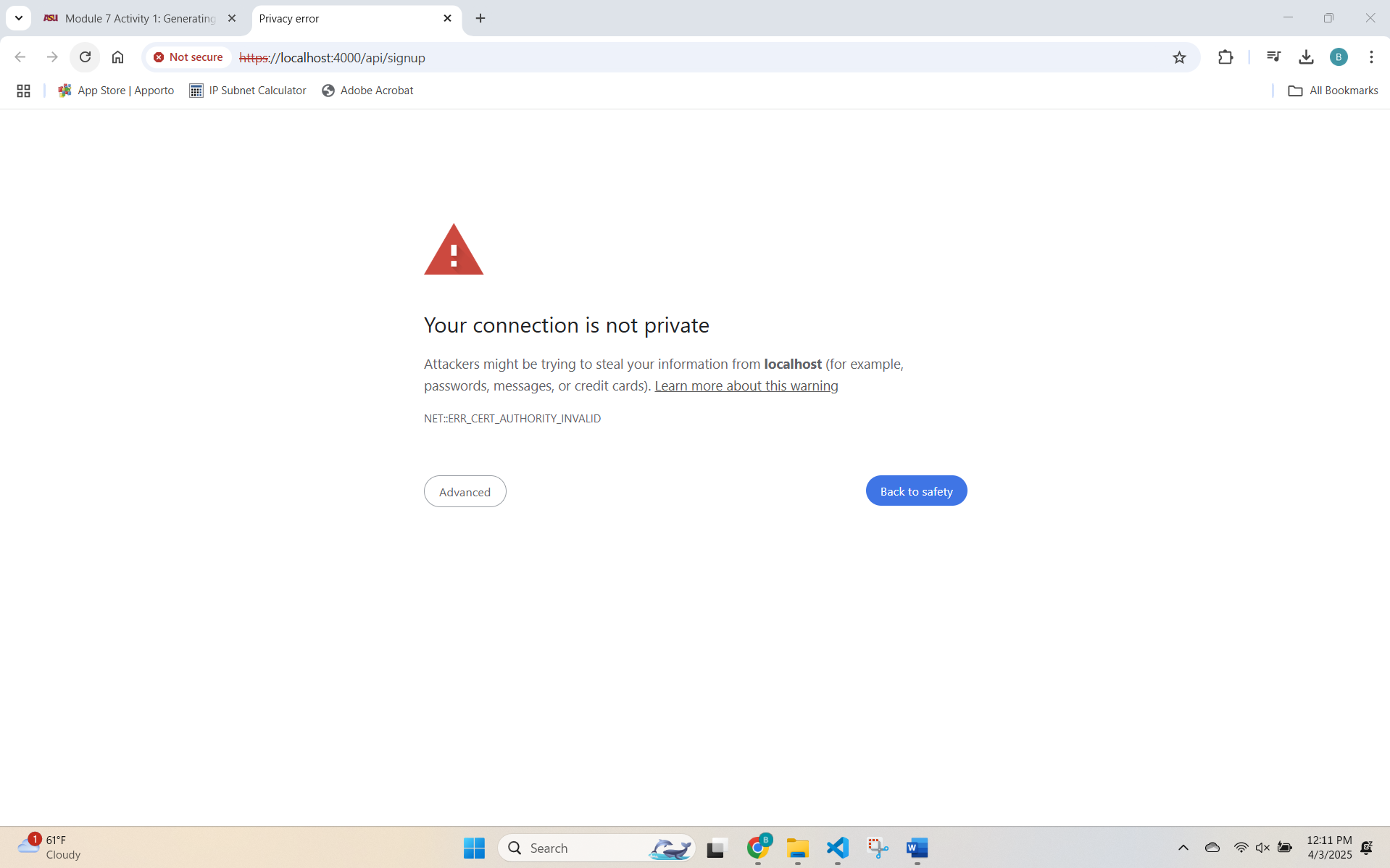
AI-generated content may be incorrect.*

*Screenshot 9: Showing the browser view when accessing the HTTPS server.*

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*Screenshot 10: Showing the browser's security warning.*

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*Screenshot 11: Displaying the URL change after accepting the security warning.*

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AI-generated content may be incorrect.**