ObieChat Progress Report
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Summary:
We are developing a public chat application with a web frontend and a backend server that serves a RESTful api. Additionally we will be repurposing an old android device to operate as our web server to distribute our website to the public.

Goals Accomplished:
These are the goals we have accomplished as of 4/17/2025:
- Established local database connection
- Integrated MVC development practices
    - Message Controller for request logic
    - Message Model for database logic
    - Message Route for routing logic
- Initiated Vue Front-end web application
    - Created simple landing page with username input
    - Created page transition to main chat room
- Android phone configured with Termux to host our Node.js server
    - Using a CloudFlare tunnel to forward outside web traffic to our server (installing a reverse proxy on the school's network isn't feasible)
    - Configured to be accessible at the domain: obie.chat
    - Server can successfully serve our Vue app, as well as other test api endpoints.

Revised Stretch Goals:
- Use websockets for message delivery
    - Initiate automatic UI updates as messages are received (as opposed to sending periodic api requests) for a "real-time" chat experience.
    - Indicate when a user is typing in real time.