WASAtext homework 3 (Vue) interactive functionality check

We strongly encourage every WASA student to verify that their code correctly performs the main operations required by the project specification, and we provide a checklist below for execution.

We suggest that:

a) you run your application as follows:

   BACKEND:

   - Set go toolchain version to 1.25.1:
     1) on Windows: set GOTOOLCHAIN=go1.25.1
     2) on Mac and Linux: export GOTOOLCHAIN=go1.25.1
   - Clean go.mod and vendor dependencies locally:
     1) go mod tidy
     2) go mod vendor
   - Finally, try to run the backend and ensure it works:
     1) go run ./cmd/webapi

   FRONTEND:

   - Enter the nodejs container:
     1) ./open-node.sh
   - Install deps, build, and run:
     1) yarn install
     2) yarn run vite build --mode production
     3) yarn run vite preview --host 0.0.0.0 --port 4173 --strictPort

b) you use multiple windows or browsers to log in multiple users simultaneously.

c) you make some tests using a different device (e.g., a mobile phone or a second laptop) connected to the same network
   - in order to make this test, you need to temporarily change localhost:3000 with your local IP address in the vite.config.js (don't push this change as it only works for your home network), otherwise other devices will try to contact the backend at localhost, which will fail.

Checklist

1. **User Login (Hard Constraint):** Three users (A, B, and C) log in to the application.
2. **Simple direct message (Hard Constraint):** User A sends a message to B.

3. **Checkmarks**: A single checkmark is displayed in A's chat. When B opens the chat view, 2 checkmarks are displayed in A's chat. No checkmarks are displayed in B's chat.
4. **Auto-refresh:** conversation lists, chat views, and checkmarks are automatically updated without manual page refreshes.
5. **Media Message:** User A sends a single message to User B containing **both** text and an uploaded image **(**no URL**)**.
6. **Replying:** User B replies to all User A's messages. A snippet of the original text and the image icon (when replying to an image message) must be displayed in the reply.
7. **Reactions I:** User B reacts to the first A's message (with a single emoji). The reaction must be visible in both A's and B's chat views. User B must be restricted to adding no more than one reaction (but can remove it).
8. **Group Creation:** User A creates a group **G** including User B and User C, and sends a message to G.
9. **Read Receipts:** User A monitors the message indicator. The double checkmark indicator must appear **only when both** B and C have opened the message.
10. **Reactions II:** User B reacts to A's message (with a single emoji). User A must see that B is the author of the reaction.
11. **Group Management:** User C leaves the group. C can no longer receive messages from the group, read its contents, or post to it.
12. **Forwarding:** User B forwards User A's message to User C. User C must see a clear marker indicating the message was "Forwarded."
13. **Profile Constraint:** User A attempts to change their profile name to User B's name. This operation must fail and result in a **clear** error message.
14. **Profile Update:** User A changes their profile name (to an available one) and their profile picture. The changes must propagate automatically to all open chat views, chat lists, and contact lists.
15. **Group Branding:** User B changes the name and picture of Group G. The update must propagate instantly to all users' chat lists.
16. **Persistence (Hard Constraint):** User B logs out and then logs back in. All previous messages, groups, and profile data must persist correctly.

This checklist will be verified during the final homework evaluation, conducted on the last Thursday before each oral appeal.

We will NOT ADMIT to the oral examination:

- projects that do not comply with the hard constraints
- projects that fail to start when launched according to the specified instructions
- projects that cannot run on a different device on the same network

In addition, **2 points will be deducted** for each checklist item that fails verification.