Environment and Tools:

Operating System	macOS 10.15.7
Backend	Node.js 15.13.0
	Node.js modules: mysql@2.18.1 ws@7.4.4
Frontend	Element UI 2.15.1
Database	MySQL 8.0.23

Usage:

MySQL server is required to save the posts received by the server.

Open demo_server.js with a text editor. Change the value of 'user' and 'password', so that the server can connect to a MySQL server.

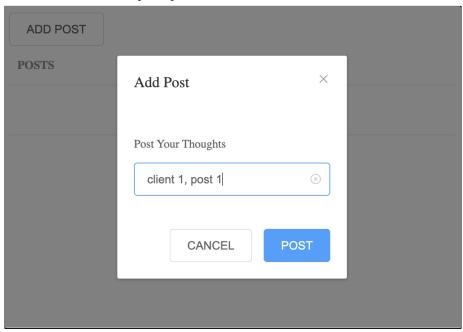
Open a Terminal window. Change directory to the coding_exercise_web_service folder. Run the following command to start the server:

node demo server.js

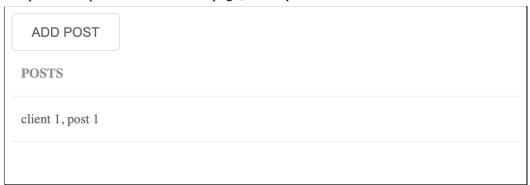
Open index.html in a few web browser windows as clients. Each client will try to establish a WebSocket connection with the server. If the connection is successfully, a message will be displayed:



Click 'ADD POST'. Input a post, and click 'POST'.



The published post is shown on the page, and is pushed to all other connected clients.



All posts are saved in a MySQL database.