Functional Test Specification

Test-1: Verify functionality of backend/.env

Expected Result: Works as intended.

Test-2: Verify functionality of backend/CMakeLists.txt

Expected Result: Works as intended.

Test-3: Verify functionality of backend/Dockerfile

Expected Result: Works as intended.

Test-4: Verify functionality of backend/include/api.hpp

Expected Result: Works as intended.

Test-5: Verify functionality of backend/main.cpp

Expected Result: Works as intended.

Test-6: Verify functionality of backend/model/interface.cpp

Expected Result: Works as intended.

Test-7: Verify functionality of backend/server.js

Expected Result: Works as intended.

Test-8: Verify functionality of backend/src/api.cpp

Expected Result: Works as intended.

Test-9: Verify functionality of backend/src/telemetry\_handler.cpp

Expected Result: Works as intended.

Test-10: Verify functionality of frontend/.gitignore

Expected Result: Works as intended.

Test-11: Verify functionality of frontend/README.md

Expected Result: Works as intended.

Test-12: Verify functionality of frontend/api.js

Expected Result: Works as intended.

Test-13: Verify functionality of frontend/eslint.config.js

Expected Result: Works as intended.

Test-14: Verify functionality of frontend/src/components/UserList.js

Expected Result: Works as intended.

Test-15: Verify functionality of frontend/src/server/server.js

Expected Result: Works as intended.

Test-16: Verify functionality of frontend/src/socket.js

Expected Result: Works as intended.

Test-17: Verify functionality of frontend/vite.config.js

Expected Result: Works as intended.

Test-18: Verify functionality of reports/project\_report.txt

Expected Result: Works as intended.