

Testing Tool Documentation

1. Web Browser (Google Chrome)

Used to manually test the user interface and simulate interactions for both Admin and Coordinator roles. Allowed real-time observation of UI responses to actions such as login, form submissions, and navigation.

2. activity_log.txt (Text Editor)

Used with Notepad or VS Code to monitor the log output. Verified that all critical actions such as status updates, and page visits were recorded accurately and in the correct format.

3. XAMPP Control Panel

Used to start/stop Apache and MySQL servers for local execution. Ensured that the system could be tested entirely offline as required.

4. phpMyAdmin

Used to confirm that new data (municipalities, accounts, etc.) were properly inserted into the database, and that updates reflected correctly.

Rationale for Tool Selection

These tools were selected because the system is intended to operate in an offline, local environment. Visual testing and log validation were sufficient to confirm that the enhancement (local activity logging) worked correctly. Since the system is not API-heavy or complex, lightweight browser and database tools provided all the necessary insights without requiring formal unit or benchmarking tools.