

Software Requirements Specification (SRS)

Project Title: Laguna PHO Record Management System with Automation and Security Enhancement

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1. Introduction and Purpose

The Laguna Provincial Health Office Record Management System is a web-based platform designed to help manage coordinators, municipalities, and user roles efficiently. This updated version introduces a local user activity logging feature to enhance system security and provide traceable records of user actions even in an offline environment.

2. Overall Description

This system enables two roles (Admin and Coordinator) to access various modules:

- Admins: Create and manage coordinator accounts, update statuses, view municipality lists.
- Coordinators: Log in and access their designated municipality records.
- All users: Have their key actions automatically logged locally for auditing.

The system is built with PHP and MySQL, designed to run entirely offline using XAMPP.

3. Functional and Non-functional Requirements

Functional Requirements:

- FR1: Role-based login for Admins and Coordinators
- FR2: Admin can create, update, and send credentials to Coordinators
- FR3: Coordinators can view assigned data
- FR4: System logs user actions (login, form submissions, status updates)

- FR5: Municipalities can be added by Admin

Non-Functional Requirements:

- NFR1: Operates offline (no internet required)
- NFR2: Logs saved in a plain .txt file format for portability
- NFR3: Lightweight system usable on low-spec local machines
- NFR4: Easy to install using XAMPP

4. System Features and Interfaces

- Login page with role detection
- Admin dashboard for managing Coordinators and Municipalities
- Modals for adding and editing records
- Activity log system via logger.php

5. Assumptions and Constraints

- Users have access to a local server (XAMPP)
- System will not be deployed online
- No third-party libraries or APIs are required
- Data must be preloaded into MySQL using the provided lpho_db.sql

6. Use Case Description – "Successful Login and Logging"

Actors: Admin / Coordinator

Scenario:

1. User submits login form with credentials
2. Goes to Dashboard
3. Simultaneously logs: [timestamp] [Role: Name] Visited: Dashboard