PVSchool – Test Setup Scenario

Purpose: This document describes how a tester prepares the environment and starts the PVSchool application.

1. Test Environment

- School PC with Windows or Linux

- Python 3.11 installed

- MySQL Server 8.x installed and running

- Internet browser available

2. Project Preparation

1. Download or clone the project repository from Git.

2. Navigate to the project root directory.

3. Create and activate a Python virtual environment.

4. Install required dependencies from requirements.txt.

3. Database Setup

1. Create the MySQL database and user.

2. Import database structure using ddl.sql.

3. Import initial test data using seed.sql.

4. Configuration

1. Copy config.example.yaml to config.yaml.

2. Configure database connection parameters.

5. Application Startup

1. Start the application using uvicorn.

2. Verify that the server starts without errors.

6. Verification

1. Open the GUI in a web browser.

2. Open Swagger API documentation.

3. Call the database ping endpoint.

Expected Result:

The application starts successfully and is ready for functional testing.