**Installation Guide: Main Inventory System**

**Prerequisites**

* PHP 8.2 or higher
* MariaDB or MySQL 10.4+
* Web server (e.g., Apache, Nginx)
* Composer (for PHP dependencies)
* Node.js/NPM (if using any frontend build tools/scripts)

**1. Clone the Repository**

git clone https://github.com/your-org/inventory-system.git

cd inventory-system

**2. Set Up the Database**

1. Create a new database (e.g., inventdev).
2. Import the schema and sample data:

mysql -u youruser -p inventdev < sql/schema.sql

Or use phpMyAdmin to import the provided .sql file.

**3. Configure Environment**

* Copy .env.example to .env (if exists) and update:
  + Database host, name, username, password
  + Any necessary email or external configuration

**4. Install Dependencies**

composer install

(If using frontend build tools)

npm install

npm run build

**5. Web Server Configuration**

* Point your web server’s document root to the /public directory.
* Ensure mod\_rewrite is enabled for Apache, or configure your Nginx rules as needed.

**6. Set File Permissions**

* Ensure the web server can write to /exports/ for report downloads.

**7. Initial Setup**

* Create at least one DBA employee via the provided admin interface or directly in the DB.
* Log in via the web UI and verify all pages load.

**8. Optional: Test Data**

* Load additional test/sample data from /sql/sample\_data.sql if desired.

**9. Access the System**

* Open your browser and navigate to the configured URL (e.g., [http://localhost](http://localhost/) or your domain).

**Troubleshooting**

* Check your PHP, web server, and DB logs for errors.
* Ensure database credentials are correct.
* For further help, see [User Guide](https://github.com/copilot/c/Inventory_System_User_Guide.md) or [Developer Guide](https://github.com/copilot/c/Inventory_System_Developer_Guide.md).