Sprint 4 Report – Gestión de Botiquines

Sprint Duration: October 2 – October 10, 2025

Objective: Polish the user interface, test and fix issues, add demo dataset and user, and prepare documentation for the final demo.

# 1. Sprint Objectives

* ✅ Polish UI with Bootstrap (responsive, clean, consistent).
* ✅ Manual testing of CRUD and alert logic; fix inconsistencies.
* ✅ Seed file with demo dataset and at least one demo user.
* ✅ Provide simple documentation (README/guide).
* ✅ Prepare the application for final demo presentation.

# 2. Deliverables Completed

* ✅ UI with Bootstrap
* Responsive dashboard using Bootstrap components.
* Clean layout for summary panel, filters, and inventory table.
* Progress bars polished for better readability.
* ✅ Testing & Bug Fixing
* CRUD operations tested manually via Insomnia/Postman.
* Alert logic verified: expired, expiring soon, low stock, out of stock, normal.
* Edge cases handled (e.g., reorder\_level = 0).
* ✅ Demo Dataset & User
* Seed file updated to include medicines covering all alert states.
* Demo user created (username: demo, password: demo123).
* ✅ Documentation
* README.md updated with run instructions (Docker + local).
* Login flow documented with demo user credentials.
* Example workflows added (check inventory, filter alerts, etc.).
* ✅ Final Demo Ready (Local)
* Application runs locally with Docker on Mac, connected to MySQL in DigitalOcean.
* Demo flow: login with demo user → dashboard → apply filters → review alerts and stock levels.
* Ready for stakeholder presentation.

# 3. Evidence

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

# 4. Pending Items

Deployment to a public DigitalOcean droplet could be considered in a future sprint. For Sprint 4, local deployment with Docker is sufficient.

# 5. Conclusion

Sprint 4 was successfully completed. The application now has a polished user interface, robust testing, a demo dataset with a demo user, and updated documentation. It is ready for presentation as a functional MVP.