# Sprint 1 Report – Gestión de Botiquines

Implementador de Proyectos de Software – Servicio Social

Fecha: Septiembre 12–13, 2025

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## 1. Sprint Overview

• Sprint Dates: Septiembre 11 – 17, 2025  
• Goal: Backend foundations (Flask, Docker, DigitalOcean MySQL, Authentication)

## 2. Completed Work ✅

The following tasks were completed during Sprint 1:  
- Project initialized with Flask structure.  
- Database schema created in MySQL (DigitalOcean).  
- Medicine model implemented (with expiry + stock logic).  
- API endpoints: List & Create medicines.  
- User model + authentication (register/login).  
- Seed script: 3 medicines + 1 default user.  
- Docker containerization configured.  
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## 3. Pending Work 🔄

- Implement Update & Delete endpoints (complete CRUD).  
- UI Dashboard (to visualize medicines + alerts).  
- API validation improvements (field checks).  
- Expose alert system in dashboard.

## 4. Challenges & Lessons Learned 💡

- Handling SSL certs in Docker: required including DigitalOcean’s ca-certificate.crt inside container.  
- Learned to manage .env vs .venv for flexible development environment.  
- Authentication best practices: storing hashed passwords instead of plain text.

## 5. Next Sprint Preview 🚀

- Implement full CRUD (Update + Delete).  
- Start basic dashboard with Bootstrap.  
- Add validation rules.  
- Expand README with usage examples.

## 6. Status

• Sprint 1 Completed ✅  
• Sprint 2 Pending 🚧