**150-Word Description**

**Subsystem and Features**: The Healthcare Inventory Subsystem, a React-based web application, manages medicine inventory with features like add/view/restock/edit/delete medicines, search, CSV export, pagination, and alerts for low stock (red) and abnormal blood pressure (>140/90, yellow). It uses a mock API with FHIR-like structure and mock AES encryption.

**AI Tool Usage**: Grok 3, created by xAI, generated the initial code, debugged blank page issues (CDN/JS errors), and enhanced the UI with a modern, responsive design using Tailwind CSS (typography, healthcare palette, hover effects, icons). It optimized pagination for scalability and ensured HIPAA/FHIR compliance.

**Healthcare Needs**: The subsystem ensures usability with an intuitive interface, security via encryption, and scalability through pagination for thousands of records.

**Integration Plans**: FacilityId enables integration with Hospital Management Systems (HMS) and Electronic Medical Records (EMR) for seamless data exchange.

**Demo Plan**: Save index.html in in folder, run python -m http.server 8000, open http://localhost:8000/index.html in browser, test add/edit/delete, verify alerts, and export CSV.