College Name: VIT Bhopal University

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# GEN AI PROJECT PHASE 3 SUBMISSION DOCUMENT

Phase 3: Final Report and Submission

## 1. Project Title:

Stocky – Multi-Store Inventory and Business Management System

## 2. Summary of Work Done

Phase 1 – Proposal and Idea Submission:  
- Identified the business problem of managing inventory across multiple stores.  
- Proposed Stocky, a centralized inventory and business management solution.

Phase 2 – Execution and Demonstration:  
- Developed frontend using Angular and Tailwind CSS.  
- Built backend with Spring Boot and connected to PostgreSQL database.  
- Conducted unit and integration testing.

Phase 3 – Final Implementation:  
- Finalized and tested all modules.  
- Created and shared documentation.  
- Completed deployment-ready system.

## 3. GitHub Repository Link

🔗 GitHub Repository – Stocky: Multi-Store Inventory Management System  
(Replace with actual GitHub link)

## 4. Testing Phase

Test Case | Expected Result | Status  
--- | --- | ---  
Add Product | Product added and reflected in inventory | Passed  
Update Stock | Stock updated successfully | Passed  
Delete Employee | Record removed with confirmation | Passed  
Generate Report | Report displayed with filtered data | Passed  
Invalid Login | Error message displayed | Passed

## 5. Future Work

- Add mobile support via responsive design or mobile app.  
- QR/barcode scanner integration.  
- AI-based sales forecasting.  
- Multi-language support.  
- Cloud deployment with CI/CD pipelines.

## 6. Conclusion

Stocky fulfills the need for an integrated, scalable, and user-friendly multi-store business management system. It combines modern technologies, secure architecture, and practical features suitable for real-world deployment and academic demonstration.