Project Charter –

StockTrackPro

# 1. Project Overview

Project Name: StockTrackPro

Prepared By: Amar Salim Batheif

Date: July 29, 2025

**Objective**:  
To develop a cross-platform inventory control application that simplifies stock-taking, enforces role-based access, and maintains stock integrity through proof, verification, and audits.

**Project Description**:  
StockTrackPro is a professional stock management solution designed for SMEs like Zeyn Caterers. It addresses critical issues such as stock disorganization, unauthorized changes, and inefficient audits. The app enables real-time inventory tracking, multi-role access (admin, manager, staff), and stock integrity checks like stock-proof and admin approvals. Developed with Flutter (frontend) and Spring Boot (backend), StockTrackPro ensures usability, security, and extensibility through Firebase for authentication and cloud services during development.

# 2. Timeline & Delivery Model

Delivery Methodology: Agile (weekly sprints, modular releases)

Timeline:

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| --- | --- |
| Phase | Target Completion |
| Project Start | July 28, 2025 |
| MVP Frontend (Flutter) | August 5, 2025 |
| Firebase Integration | August 12, 2025 |
| Complete Frontend | August 17, 2025 |
| Backend – Spring Boot | August 31, 2025 |
| Full Integration + UAT | September 7, 2025 |

# 3. Scope

* In-Scope Features (MVP & Phase 2):
* Product CRUD (with Supplier integration)
* Stock Count & Stocktaking
* Stock Integrity → Stock-proof + Admin verification
* User Role Management (RBAC)
* Activity Logging (who did what and when)
* Dashboard (real-time stock overview)
* Barcode / QR Code Support
* PDF/Excel Export of Reports
* Cloud Backup & Restore (Firebase)
* Admin Web Portal (optional phase 2)
* Out of Scope for MVP (Planned for Future):
* AI stock predictions
* E-commerce or POS system integrations

# 4. Stakeholders

|  |  |
| --- | --- |
| Role | Name/Entity |
| Product Owner | Amar Salim Batheif |
| Development Lead | Amar Salim Batheif |
| Client/Business | Zeyn Caterers |
| End Users | Store Staff, Managers, Admins |
| External Stakeholders | Suppliers |

# 5. Success Criteria

* Functional MVP with responsive UI in Flutter
* Firebase integration for secure auth and sync
* Admin-only critical actions (deletion, approvals)
* Verified activity log and stock integrity trail
* Backend integration complete with tested Spring Boot APIs
* Positive feedback from 2–3 test users at Zeyn Caterers