

BOS – IMPLEMENTATION BUILD PLAN

Phase-Based Execution Guide (Official)

This document defines the logical build order for implementing BOS. It intentionally avoids dates or timelines and focuses on correct sequencing.

Phase 0 – Foundation & Guardrails

Multi-tenant core, identity & actor model, role-permission-scope engine, event store with hash-chain, validation & idempotency, feature flags, and country configuration loader.

Phase 1 – Core Operational Engines

Inventory, Cash Management, Accounting (management layer), and Procurement engines. Ensure truthful handling of stock, cash, and financial events.

Phase 2 – POS & Business Flows

Retail POS, Restaurant POS, and Workshop POS including styles, projects, cut list generation, and material optimization.

Phase 3 – Promotion, Loyalty & Customer Flows

Promotion rule engine, loyalty with QR identity, customer dashboard, and remote campaign sharing.

Phase 4 – HR & Attendance

Staff management, attendance logging, biometric integration, and attendance reporting (excluding payroll execution).

Phase 5 – BI & Reporting

Event readers, semantic layer, role-based dashboards, alerts, and controlled data exports.

Phase 6 – AI & Decision Simulation

AI advisors, decision simulation engine, decision journal, and explicit human consent workflows.

Phase 7 – Integrations & Hardware

Payment gateways, messaging services, hardware integrations, and abuse prevention controls.

Phase 8 – Security, Compliance & Hardening

Audit enforcement, privacy & retention rules, incident response, backup and recovery validation.

Phase 9 – Pilot & Feedback Loop

Real business pilots, feedback collection, UX refinement, performance tuning, and readiness validation.

Final Execution Doctrine

BOS must be built from truth to operations, then insight, then intelligence, and finally scale. No phase should be skipped, merged, or rushed.