

SMERP GCC Inventory ER Diagram (High-Level)

Branch-Aware Scope:

- Branches own Warehouses and scope stock, reservations, GRN, adjustments, reorder policy

Entities:

- Branches, Warehouses, WarehouseBins, Items, Suppliers, Units, Categories, Brands
- StockLedger, ItemStockBalances, StockReservations, ItemBatches, ItemSerials
- GoodsReceipt H/L, StockTransfer H/L (inter-branch), StockAdjustment H/L
- PriceLists, ItemPrices, TaxCodes, Currencies, ExchangeRates, AuditLogs

Source of truth: StockLedger. Fast reads: ItemStockBalances.

See detailed ER in: Domain/SqlScripts/Inventory_ER_Diagram.mmd