

Item Master — add purchasePrice, marginPercent fields + opening stock on creation

08/06/2026 05:20 AM - Shreya Agarwal

Status:	New	Start date:	08/06/2026
Priority:	Normal	Due date:	
Assignee:	Shreya Agarwal	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description Description Item Master currently has no cost/margin fields and no way to seed starting stock when creating a new item. Add: purchasePrice (decimal, nullable) — the item's standard/expected purchase rate. Informational for now; intended to eventually pre-fill the rate on a new Purchase Order line (no PO code change in this ticket). marginPercent (decimal, nullable, 0–100) — markup % over purchasePrice. Stored as a percentage, not a fixed sale price, so it stays valid if purchasePrice changes later. Opening stock on item creation (new): let the create-item flow optionally seed a starting quantity for a PRODUCT/stockable item, without a separate step. Implementation approach not yet decided — pick one during grooming: Option A (backend field): add openingStockWarehouseId + openingStockQuantity to the create-item payload; when both are supplied, insert the warehouse stock ledger entry + balance update in the same transaction as the item insert. Only valid for itemType: PRODUCT with isStockable: true. Option B (no backend change): UI-only — after Item create succeeds, prompt "Add opening stock?" and fire the existing POST /stock-adjustment call if confirmed. Reuses the Stock Adjustment endpoint as-is. Explicitly out of scope: salePrice / MRP — not needed until a sales/billing module exists. Any change to Purchase Order line auto-fill logic. Open questions for grooming: Should gstApplicable (boolean, distinct from defaultGstRate, for genuinely tax-exempt items) be bundled into this ticket or split out? Opening stock: Option A vs Option B above — depends on whether the UI wants this as a single API call or can live with two. Affected areas: inventory_items table/migration, InventoryItem.cs, ItemDto.cs, ItemRepository.cs, ItemService.cs, PURCHASE_ORDER_INVENTORY_UI_INTEGRATION_GUIDE.md — plus, if Option A is chosen, StockAdjustmentRepository.cs's ledger-insert pattern gets reused inside ItemRepository.CreateItemAsync's transaction. Acceptance criteria: Migration adds nullable purchase_price and margin_percent columns to inventory_items (all tenant schemas, idempotent). POST/PUT /item accept both fields; GET /item/GET /item/{id} return them. Validation: marginPercent 0–100 if provided; purchasePrice ≥ 0 if provided. Opening-stock approach decided and implemented per the chosen option above. UI integration guide updated with all new fields/flows. Both projects build with 0 errors.			