

## RESTAURANT DATABASE STRUCTURE (UPDATED)



### RETAINED TABLES

These tables already exist in the current system and will continue to be used with minimal or no changes.

Table	Purpose
Employees	Stores login info, PIN, language, and basic metadata
SystemSettings	Stores global values like management PIN
Suppliers	Vendor records
Ingredients	Item names, categories, units, cost, stock thresholds
Products	Menu item metadata (name, category, price)
Recipes	Links products with ingredients + usage quantity
Orders	Order-level sales data
OrderItems	Order breakdown by product and quantity
DailyShawarmaStack	Tracks shawarma-specific daily weight and revenue metrics
DailyProductSales	Summarized daily product sales for reporting



### ENHANCED TABLES

Tables that exist but require **additional fields**.

#### DailySales (Enhanced)

Field	Type	Description
Date	Date	Sales day
Total Revenue (QAR)	Number	Input by user
Shawarma Revenue (QAR)	Number	Input by user
Other Food Revenue (QAR)	Number	Total – Shawarma (calculated)
Cash Sales	Number	Input
Card Sales	Number	Input
Delivery Aggregator 1	Number	Input

Field	Type	Description
Delivery Aggregator 2	Number	Input
Petty Cash Total	Number	Sum of petty cash details (calculated)
Notes	Text	Optional input
Employee ID	Ref	→ Employees.id
Created_at / Updated_at	Timestamp	For audit

## NEW TABLES

These tables are **new in the planned system**.

### Item

Field	Type	Description
id	Auto	Primary Key
name	Text	Item name
category	Text	Bread, Protein, Sauce, etc.
unit	Text	kg, pieces, etc.
frequency	Text	'daily', 'weekly', etc.
is_prepared	Boolean	True/false flag
cost_per_unit	Number	Unit cost for COGS
min_stock, max_stock	Number	Thresholds for alerts
storage_location	Text	Freezer, dry, fridge, etc.
active	Boolean	Archived or not
created_at / updated_at	Timestamp	Audit

### SnapshotLog

Field	Type	Description
id	Auto	PK
item_id	Ref	→ Item.id
date	Date	Snapshot day

Field	Type	Description
<code>closing_quantity</code>	Number	End-of-day count
<code>notes</code>	Text	Optional input
<code>employee_id</code>	Ref	→ Employees.id
<code>created_at</code> / <code>updated_at</code>	Timestamp	Audit

#### PurchaseLog

Field	Type	Description
<code>id</code>	Auto	PK
<code>item_id</code>	Ref	→ Item.id
<code>brand_id</code>	Ref	→ Brand.id
<code>supplier_id</code>	Ref	→ Suppliers.id
<code>quantity_received</code>	Number	Received qty
<code>cost_per_unit</code>	Number	Matched to Item table
<code>total_cost</code>	Number	Calculated
<code>invoice_number</code>	Text	Optional
<code>received_by</code>	Text	Staff name (optional)
<code>employee_id</code>	Ref	Who entered data
<code>date</code>	Date	Log date
<code>created_at</code> / <code>updated_at</code>	Timestamp	Audit

#### WasteLog

Field	Type	Description
<code>id</code>	Auto	PK
<code>item_id</code>	Ref	→ Item.id
<code>waste_quantity</code>	Number	Qty lost
<code>unit</code>	Text	Unit for waste (e.g., kg)
<code>reason</code>	Enum	Spoilage, Staff Meal, etc.
<code>estimated_cost</code>	Number	Based on cost/unit

Field	Type	Description
logged_by	Text	Optional
employee_id	Ref	→ Employees.id
date	Date	When loss occurred
created_at / updated_at	Timestamp	Audit

#### InventoryVarianceLog

Field	Type	Description
id	Auto	PK
item_id	Ref	→ Item.id
date	Date	Comparison date
closing_quantity	Number	From snapshot
theoretical_quantity	Number	Based on last snapshot + usage
variance_quantity	Number	Difference
variance_percentage	Number	$(\text{Variance} / \text{Theoretical}) * 100$
usage_quantity	Number	Used qty based on production or estimate
status	Text	Ready / Missing Usage / Estimated Only
employee_id	Ref	Tracker
created_at / updated_at	Timestamp	Audit

#### PettyCashDetail

Field	Type	Description
id	Auto	PK
daily_sales_id	Ref	→ DailySales.id
category	Text	Fuel, ingredients, etc.
description	Text	Explanation
amount	Number	QAR amount
paid_by	Text	Who paid
employee_id	Ref	Who submitted

Field	Type	Description
<code>created_at</code> / <code>updated_at</code>	Timestamp	Audit

## DEPRECATED TABLES (Replaced by SnapshotLog)

These older tables should be kept for archival but not used actively.

- `DailyRawProteins`
- `DailyMarinatedProteins`
- `DailyBreadTracking`
- `DailyHighCostItems`
- `WeeklyInventory`
- `DailyInventoryCount`