**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 |
| 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 |
| closing\_quantity | Number | End-of-day count |
| notes | Text | Optional input |
| employee\_id | Ref | → Employees.id |
| created\_at / updated\_at | Timestamp | Audit |

#### PurchaseLog

| Field | Type | Description |
| --- | --- | --- |
| id | Auto | PK |
| item\_id | Ref | → Item.id |
| brand\_id | Ref | → Brand.id |
| supplier\_id | Ref | → Suppliers.id |
| quantity\_received | Number | Received qty |
| cost\_per\_unit | Number | Matched to Item table |
| total\_cost | Number | Calculated |
| invoice\_number | Text | Optional |
| received\_by | Text | Staff name (optional) |
| employee\_id | Ref | Who entered data |
| date | Date | Log date |
| created\_at / updated\_at | Timestamp | Audit |

#### WasteLog

| Field | Type | Description |
| --- | --- | --- |
| id | Auto | PK |
| item\_id | Ref | → Item.id |
| waste\_quantity | Number | Qty lost |
| unit | Text | Unit for waste (e.g., kg) |
| reason | Enum | Spoilage, Staff Meal, etc. |
| estimated\_cost | Number | Based on cost/unit |
| 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 | (Variance / 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 |
| created\_at / updated\_at | 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