

# Part B: Business Intelligence Dashboard Mockups

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Smart Restaurant Management System

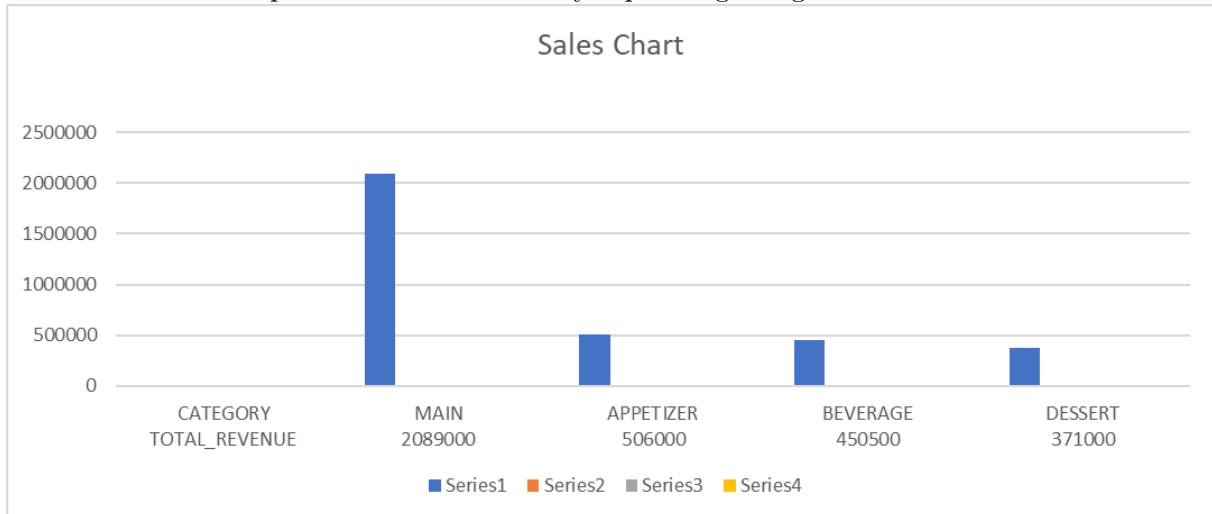
## Overview

This document presents the proposed Business Intelligence (BI) dashboard designs. These mockups utilize real data and analytics generated during the PL/SQL project implementation (Phases VII and VIII).

## 1 Executive Financial Dashboard

**Target Audience:** Restaurant Manager

**Goal:** Monitor revenue performance and identify top-selling categories.



Sales Performance by Category (Generated from Phase VIII Analytics)

**Key Insight:**

The data indicates that 'Main Courses' drive the majority of revenue. Marketing strategies should focus on upselling high-margin items like Beverages and Desserts to balance the sales mix.

## 2 Security & Compliance Dashboard

**Target Audience:** Database Administrator (DBA)

**Goal:** Track unauthorized access attempts and restricted operations.

LOG_ID	TABLE_NAME	ACTION	USER_NAME	CHANGE_DATE
2	MENU_ITEMS	UPDATE	GRPA_27253_TRICIA_SMARTRESTO_DB	13-DEC-25 01.48.05.969000000 PM
3	MENU_ITEMS	BLOCKED	GRPA_27253_TRICIA_SMARTRESTO_DB	08-DEC-25 01.54.50.809000000 PM

Figure 1: Audit Log showing Blocked Actions (Generated from Phase VII Triggers)

### Key Insight:

The BLOCKED status in the audit trail confirms that the "Weekend Restriction Rule" is active. The system successfully prevented and logged an unauthorized menu modification attempt on a weekday.

## 3 System Performance Dashboard

**Target Audience:** Technical Lead

**Goal:** Monitor query efficiency and database resource usage.



Explain Plan Execution Tree (Generated from Phase VIII)

### Key Insight:

Critical reporting queries are utilizing optimized Index Scans rather than Full Table Scans. This confirms that the indexes created in Phase V are effectively minimizing CPU load during report generation.