

Part B: Business Intelligence Dashboard Mockups

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Smart Restaurant Management System

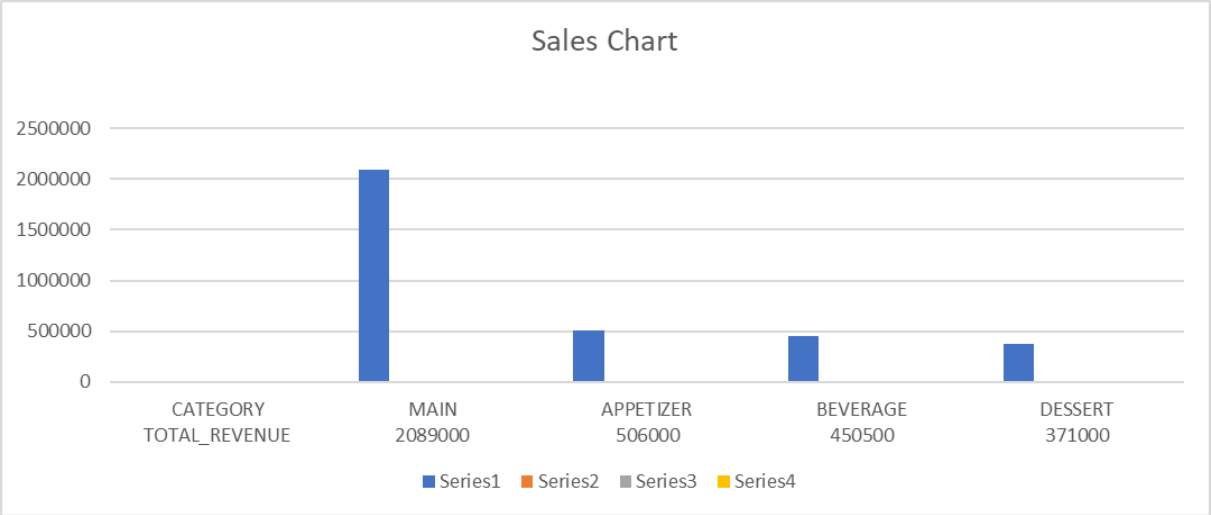
Overview

This document presents the proposed Business Intelligence (BI) dashboard designs. These mock-ups 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)

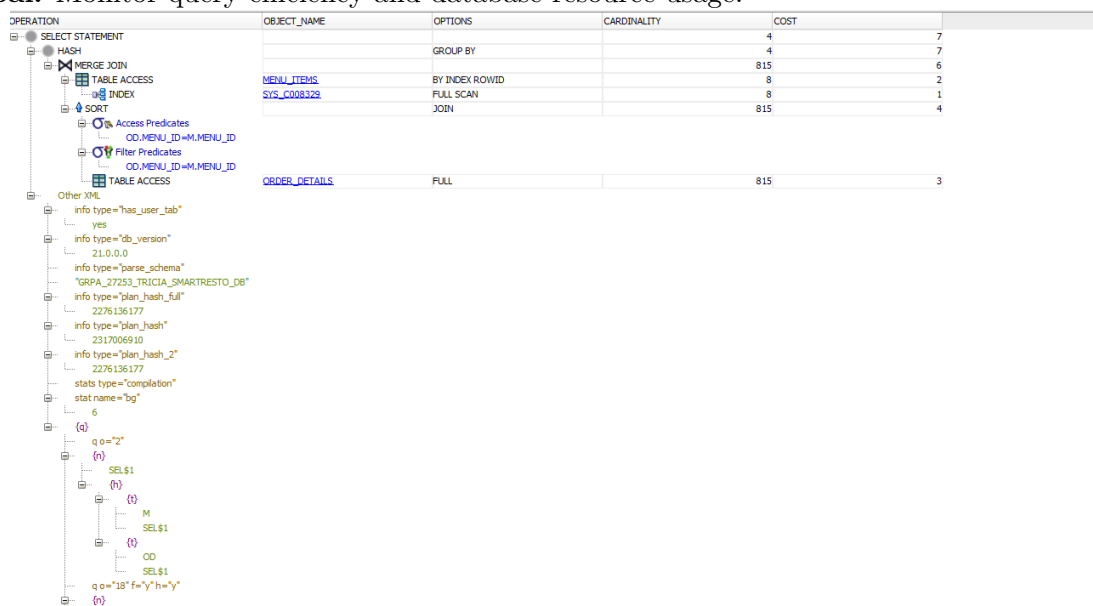
Key Insight:

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.



Oracle

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.