Inventory Management System of Pharmaceutical Company RAY Holdings

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I. Introduction

This project will deliver majorly the management and the organization of the materials – specifically the raw materials and the finished goods of the Pharmaceutical Company RAY Holdings. This will have multiple modules, for example, admin and users giving different privileges.

Problem Statement

Pharmaceutical companies deal with challenges with the current inventory management system, leading to problems like stockouts and overstocking. The manual processes are inefficient, lack real-time visibility, and hinder timely responses to market demands. We need a PHP-based Inventory Management System tailored for pharmaceuticals, featuring real-time inventory monitoring and user access control.

A. Objectives

System Development: Design and develop a customized IMS to the specific needs of RAY Holdings Pharmaceuticals, considering the diverse range of pharmaceutical products, storage conditions, and regulatory requirements.

Database Integration: Implement a robust database system to store and manage inventory data, ensuring data integrity, security, and accessibility.

Testing and Quality Assurance: Perform rigorous testing to identify and rectify any bugs or issues.

II. Modules and ER Diagram

1. Product Management: Comprehensive tracking of pharmaceutical products, including details such as material numbers, expiry dates, accounting data and storage conditions.
2. Sales Management: Overall sales of the materials.
3. Reporting and Analytics: Generate detailed reports on key performance indicators.
4. User Authentication and Authorization: Secure access control to protect sensitive pharmaceutical data.

III. Results and Analysis

This project is mainly based on UI and audio interaction. We are pasting all the screens and some audio instructions that will be given as we play the game here. We analyze the time taken by three different blind people to play all the six games.

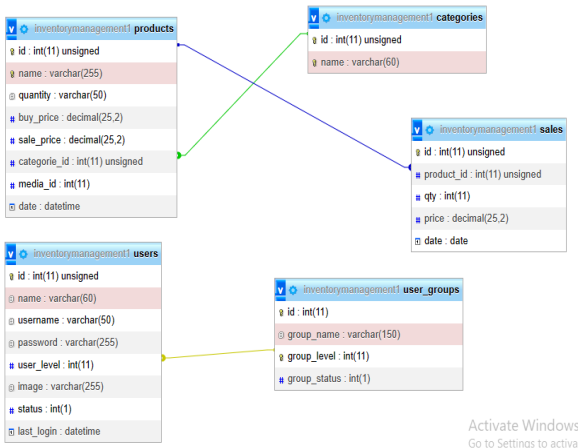


Fig. 1. Flow Chart

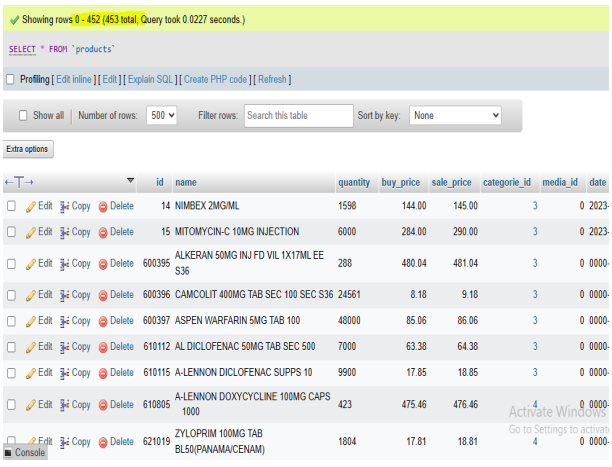


Fig. 2. Data snapshot

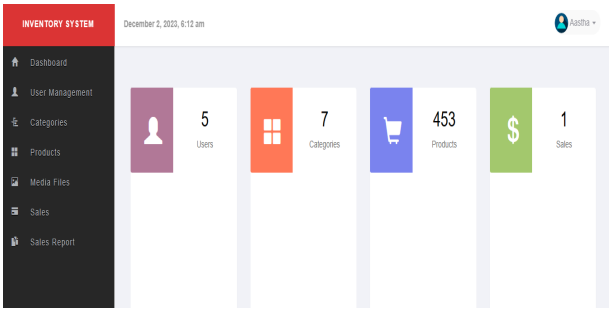


Fig. 3. Dashboard - admin POV

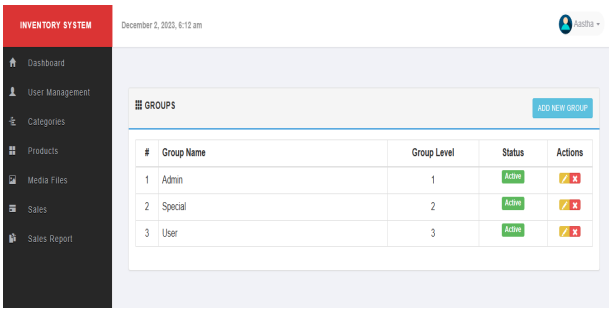


Fig. 4. Groups - Users

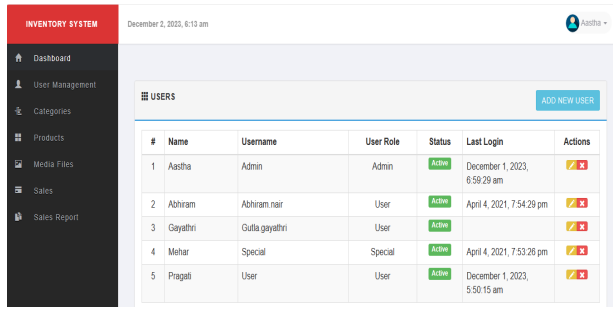


Fig. 5. Users

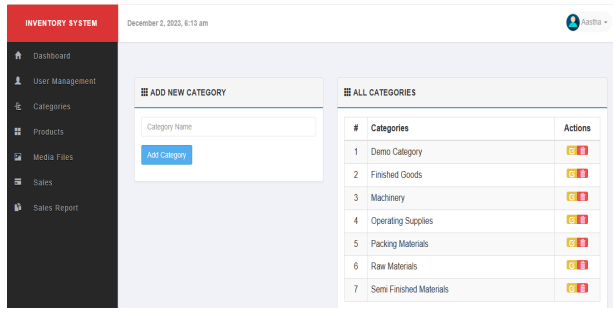


Fig. 6. Material Categories

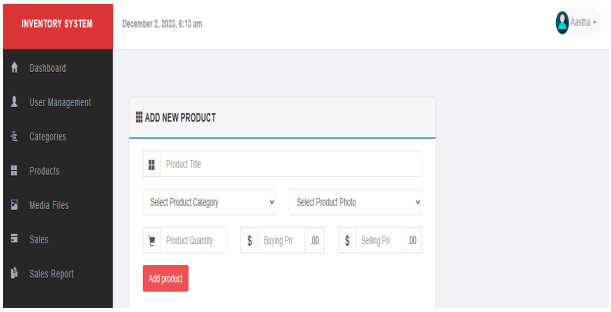


Fig. 7. Add Product

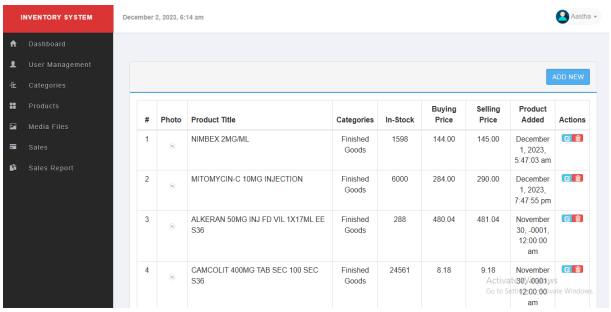


Fig. 8. Total Products

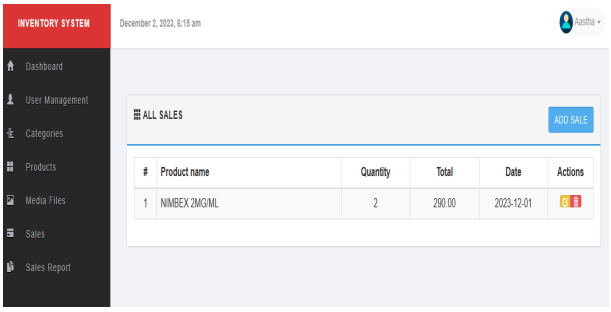


Fig. 9. Total Sales

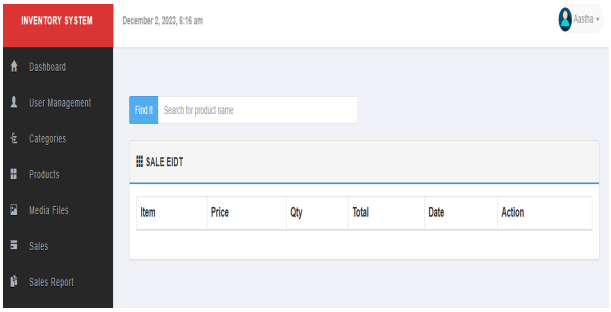
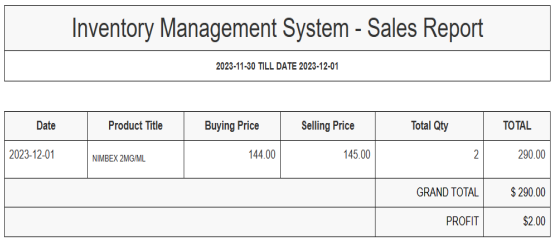


Fig. 10. Add Sales



Inventory Management System - Sales Report

2023-11-30 TILL DATE 2023-12-01

Date	Product Title	Buying Price	Selling Price	Total Qty	TOTAL
2023-12-01	NIMBEX 2MG/ML	144.00	145.00	2	290.00
				GRAND TOTAL	$ 290.00
				PROFIT	$2.00

Fig. 11. Sales Report

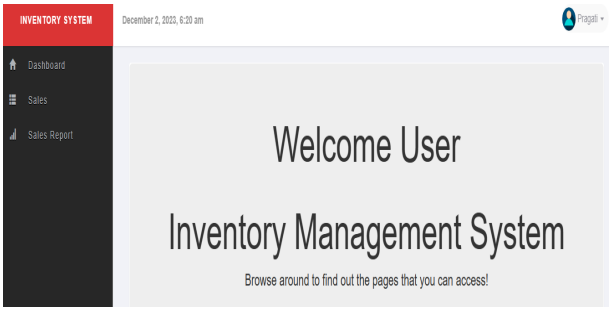


Fig. 12. User POV

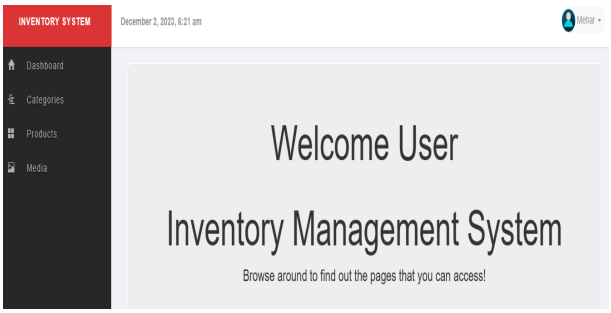


Fig. 13. Special User POV

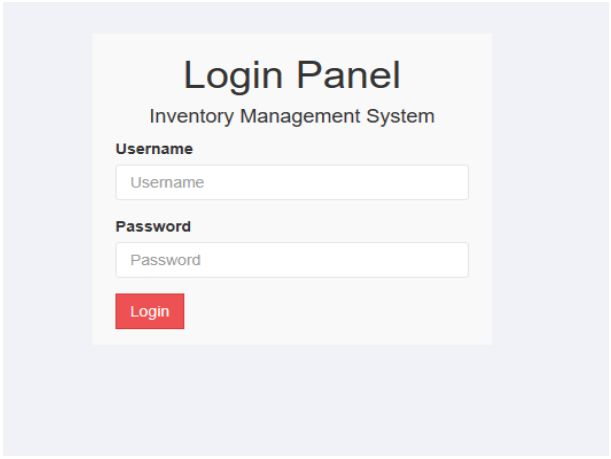


Fig. 14. login Panel