INTERNATIONAL ISLAMIC UNIVERSITY CHITTAGONG DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AUTUMN-2024

COURSE CODE: CSE-2322

COURSE TITLE: DATA STRUCTURES LAB

COURSE INSTRUCTOR: PROF. MD. SHAMSUL ALAM

TEAM NAME: TEAM MIND MERGE

PROJECT PROPOSAL ON SUPER SHOP MANAGEMENT SYSTEM

TEAM DETAILS

ID	NAME	DESIGNATION
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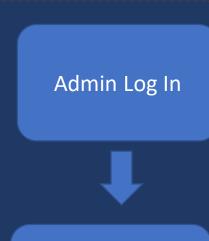
Introduction

Smart Supermarket Management System is a software application designed to enhance the efficiency and accuracy of managing a supermarket's inventory and sales operations. This system offers a range of functionalities, such as adding new products, editing existing products, and removing out-of-stock or outdated items from the inventory. Additionally, it provides features for searching for specific products, checking product prices, viewing product details, and generating detailed purchase receipts.

The system supports secure payment methods, including card transactions and mobile banking, to improve the customer experience. Its primary goal is to streamline the workflow in a supermarket, ensuring inventory is accurately tracked and sales operations are efficiently managed. The project is designed with a user-friendly interface while incorporating essential features to meet the operational needs of a modern supermarket.

OUTLINE OF THE PROJECT:

• Admin Log In • Buyer • Update Inventory (Add, Edit, Remove) Admin • Show List of Product Buy Products Customer Receipt • Thank You Log Out



- Admin ID
- Password

Update Or Change

- Price, discount, quantity
- Add In Stock
- Remove item

Log Out





Password



• Product Details (Name, Price, In stock quantity, available Discount)

• Buying Product

Features

Log Out



Conclusion

In conclusion, the development and implementation of the **Smart Supermarket Management System** using C++ demonstrated a practical application of data structures in solving real-world problems. This project was designed to provide a user-friendly interface while incorporating critical features to meet the operational demands of a supermarket. The system effectively fulfills its purpose of creating an efficient and robust solution for managing inventory and streamlining sales processes

Thank You