**National University of Computer & Emerging Sciences**

**Karachi Campus**



**Super Market Management System**

**Report**

**Object-Oriented Programming**

**Section: H**

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Project report

* **Introduction**

The Super Market Management System is a project that deals with the mart’s inventory and transactions, keeping its record and managing it, including both the selling and buying of a product. This project will keep the records informative, mentioning every important detail such as stock details, records of the sales, customer details, return policy and works on the feedback mart is receiving from its customer.

* **Existing System**

Many existing systems resemble our project. We chose to study the FBRs Management system specifically because it is identical to what is aiming to make.

* **Problem Statement**

Sometimes there is a problem when you input the bar-code number and it does not find the selected item in the database.

Sometimes there is stock in the inventory, but the system does not recognize that and says it's out of stock.

* **Proposed Solution**

We will try to incorporate it in such a way that it checks whenever there is an update in the inventory and keeps the database updated so problems like the ones mentioned above do not occur anymore.

* **Salient Features**

Manages mart’s inventory

Supplies record of transactions

Display details and quantity of products bought

Allows mart to look at total revenue

Calculates and stores marts profits and total income

Stores employees' details

Supply users an interface for feedback

* **Tools & Technologies**

Programming language= “C++,” Operating System = “Windows”

**SCOPE OF PROJECT**

This study is based on the sales transaction and billing of items in a supermarket. The first activity is based on adding the items to the system along with the rate which is present in the supermarket and the name of the items which the supermarket will agree to sell. This authority is given only to the admin (administrator). Any modifications to be done in the item’s name and the rate can be done only by the employer. He also has the right to delete any item. As the customer buys the products and comes to the billing counter, the employer is supposed to enter the item name user purchased and the quantity of the item he had purchased. The administrator can view the total sales and total revenue gained from the object. This will reduce the manual way of doing it.