**Name of the Project :** **Super Shop Market Management System(SSM)**

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**OBJECTIVES:-**

        To creating database which manage all the information done in a Super-Market.

         To maintain the stock details.

         To reduce time in calculation of Sales activities.

         To store large amount of data in the database which will reduce clumsiness.

         To reduce paper work; so that users can spend more time on  monitoring the Super-Market.

**Introduction**

         This project deals with Super-Market automation.

         A Super-Market is a self-service store offering a wide variety of items related to foods, household or daily use.

         Includes both purchase and sale of products.

         Designed to make the existing system more informative, reliable, fast and easy for all the stake-holders.

**Work Flow**

Work in the Supermarket will be done in the following way:

1. The product will come in the store.

2. Data entry operator will enter the information of the product in

database.

3. The Administrator will enter the price and others thing for each

product.

4. The customer will come and take the basket with him/her and choose

the product and took it to the counter.

5. The bill calculating operator will check the products with the bar code

detecting machine then it will match with product-id then it will show

its information and price and the bill will be calculated and total

payment will show.

6. Customer will pay for the products.

7. All the products will be packed and delivered to the customer.

**PARTITION**

We used 9 partition for **DDL** file & 7 partition for **DML** file in this project. These are as follows:

**Table of Contents: DDL(DATA DEFINITION LANGUAGE)**

**=> PARTITION 01 :** **INSERT DATA USING INSERT INTO KEYWORD**

**=> PARTITION 02:** **Create Tables with appropriate column definition related with the project**

**=> PARTITION 03:** **ALTER, DROP AND MODIFY TABLES & COLUMNS**

**=> PARTITION 04:** **CREATE CLUSTERED AND NONCLUSTERED INDEX**

**=> PARTITION 05:** **CREATE SEQUENCE & ALTER SEQUENCE**

**=> PARTITION 06:** **CREATE A VIEW & ALTER VIEW**

**=> PARTITION 07:** **CREATE STORED PROCEDURE & ALTER STORED PROCEDURE**

**=> PARTITION 08:** **CREATE FUNCTION(SCALAR, SIMPLE TABLE VALUED, MULTISTATEMENT TABLE VALUED) & ALTER FUNCTION**

**=> PARTITION 09:** **CREATE TRIGGER (FOR/AFTER & INSTEAD OF TRIGGER)**

**Table of Contents: DML(DATA MANIPULATION LANGUAGE)**

**=> PARTITION 01: INSERT DATA USING INSERT INTO KEYWORD**

**=> PARTITION 02: INSERT,UPDATE,DELETE DATA THROUGH STORED PROCEDURE**

**=> PARTITION 03: INSERT DATA USING SEQUENCE VALUE**

**=> PARTITION 04: INSERT,UPDATE,DELETE DATA THROUGH VIEW**

**=> PARTITION 05: RETRIEVE DATA USING FUNCTION(SCALAR, SIMPLE TABLE VALUED, MULTISTATEMENT TABLE VALUED)**

**=> PARTITION 06: TEST TRIGGER (FOR/AFTER TRIGGER ON TABLE, INSTEAD OF TRIGGER ON TABLE & VIEW)**

**=> PARTITION 07: ALL QUERY(Expanded in SQL database file with proper description)**

**LIST OF ENTITIES :**

Customers(customerID,customerName,customerPhone,customerEmail,customerAddress,city,country)

Products(productID,productName,productDescript,categoryID,productPrice,productAvailability,supplierID,StockQuantity)

Employee(empID,empFname,empLname,dob,empPhone,gender,empAddress,city,country,empEmail,empDesignation)

EmployeeInfo(empID,designationID,salary)

Payments(paymentID,paymentDate,paymentMethod,customerID,paymentTotal,creditTotal)

Supplier(supplierID,supplierCompanyName,ContactName,ContactNumber,[Address])

PaymentType(pTypeID,paymentMethod)

StockingProducts(stockID,stockQuantity)

DesignationEmp(designationID,designationName)

Gender(genderID,genderTitle)

Country(countryID,countryName)

City(cityID,cityName)

Categories(categoryID,categoryName)

**Advantages of the proposed system**

  Reduced processing cost.

  Error reduction.

  Automatic updating of product details.

  Improved report generation and analysis.

  Better equipped to meet user requirements.

  Reduction in use of paper.

  Reduction in man power.

  Faster response time.

**Conclusion**

With business opportunities increasing as never before, companies are in need of

efficient management. One such key area is to maintain a methodical way of managing large databases, especially in the Retail sector.

DBMS is a vital tool for future growth of business organizations.

It offers a simple, efficient and reliable way of storing, managing and accessing data.

The features offered by DBMS are : Query ability, Backup, Security and Computation which are the needs of a fast-paced corporate system. To earn profits, companies need to have a good plan along with effective DBMS.