

**Case study**

Project title:

Phone Shop Management System

(PS-MS)

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* **Online Mobile Phone Shop Project Report with Database**

The Online mobile phone shop is meant for the mobile shopping that includes the purchasing and the selling of the mobile on internet. The mobile business has lot of scope and enhancing day by day. The internet business of the mobile has been the great future due to globalization.

The online portal of the mobile shopping which will be available on Google search definitely seeks the huge customer range all over the world.

The project is internet based due to the vast demand of the internet. The world is now a global village due to the internet.  Now a day’s people prefer to buy goods on the internet by browsing the websites of businesses and not visiting the market to buy goods

* **The Proposed System**

The proposed system will consist of the registration module for the user. The registered user gets the accessibility and to purchase and buy the mobile.

The fixed charge on each mobile that has been charged by the company as commission which is charged after the product sold. The information of the user will keep hidden to avoid any disputes

**The system consists of the modules.**

1. Category
2. Brand
3. Vat
4. Mobile Configuration
5. Customers Detail
6. Bill pay
7. Pre-booking
8. Sales Person
9. Order Details
10. Review
11. Reply Review

1. Database Creation:

The project begins by creating a database called "OPS-MS" with appropriate file settings and initial table allocation.

2. Table Creation:

Tables are designed to store data for Mobile, Customer, Order Details relationship, Brand, Category, and Sales Person, Primary keys, foreign keys, and constraints are defined for data integrity.

3. Alter, Drop, and Modify Tables & Columns:

The project demonstrates altering, dropping, and modifying table columns to adapt to changing requirements.

4. Create Clustered and Non-clustered Index:

Clustered and non-clustered indexes are implemented to improve query performance.

5. Create Sequence & Alter Sequence:

Sequences are utilized to generate unique identifiers for table records, and sequence properties are altered for specific use cases.

6. Create a View & Alter View:

Views are created to simplify data access and present a subset of data from the “**v Shop Info”** table.

7. Create Stored Procedures:

Stored procedures are implemented for inserting, updating, and deleting data from the ‘Customer’ table using parameters.

8. Create Functions:

Scalar-valued and table-valued functions are created to perform computations and return specific results.

9. Create Triggers:

Triggers are defined for the ‘Sales Person’ table to restrict updates and deletions based on specified conditions.

11. Data Retrieval:

Various SQL queries are designed to retrieve data from different tables using SELECT, INNER JOIN, LEFT OUTER JOIN, CROSS JOIN, SUBQUERIES, EXISTS, CTE, FETCH-OFFSET, ROLLUP, CUBE, IIF, CASE, CHOOSE, COALESCE, ISNULL, ANY, SOME, and ALL clauses.

END