

Ahsanullah University of Science and Technology

Department of Computer Science and Technology



Project name: Super Shop management system

Course name: Database Lab

Course number: CSE3104

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Group Members:

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Section: C(C2)

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Motivation:

- Super Shop Management System is a database-based management system. To maintain the stock details.
- Profit/loss can be calculated easily
- Order can be tracked
- Finding details about the product, customers, etc.
- To reduce paperwork; so that users can spend more time monitoring the Super Shop.

Prospective Clients for Software:

This software is simple so can be used in any type of shop.

Searching Options Descriptions:

- **Product details:** One can easily find out which type of products are available and their quantity.
- **Customer information:** One can easily find out customer name, address phone number by entering their ID.
- **Transaction:** One can find total Profit and loss here.
- **Supplier details:** This section will help to know all the details of the supplier. Like name, phone, id.

Tables :

1. Customers :

Attribute	Data type	Key	Constraints
Customer_ID	int	Primary key	-
Time_of_Purchase	DateTime	-	-

2. Order :

Attribute	Data type	Key	Constraints
Customer_id	int	Foreign key	-
Product_id	int	Foreign key	-
Price	Double	-	-
Quantity	int	-	check>0

3. Products :

Attribute	Data type	Key	Constraints
Product_ID	int	Primary key	-
Product_name	varchar	-	-
Brand	varchar	-	-
Description	varchar	-	-

4. Stock :

Attribute	Data type	Key	Constraints
Product_id	int	Composite primary key	-
expired_date	date	-	Check > present_Date
Quantity	int	-	-
Price	int	-	-
Supply_Id	int	Composite primary key	-

5. Supplies :

Attribute	Data type	Key	Constraints
Quantity	int	-	check>0
Delivary_date	date	-	-
Product_id	int	Foreign key	-
Supply_cost	double	-	-
Supply_id	int	Foreign key	-

6. Supplier :

Attribute	Data type	Key	Constraints
Supplier_name	varchar	-	-
Phone	varchar	-	-
Supply_id	int	Primary key	-

7. Transaction :

Attribute	Data type	Key	Constraints
Customer_id	int	Foreign key	-
Product_name	Varchar		-
Transaction_id	int	Primary key	-
TotalBill	double	-	-

8. Bonus :

Attribute	Data type	Key	Constraints
Transaction_ID	int	Foreign key	-
Bonus_point	int	-	-
Card_ID	int	Foreign key	-

9. Membership_Card :

Attribute	Data type	Key	Constraints
Card_id	int	Primary key	-
Customer_name	varchar	-	-
Customer_phone	varchar	-	-
Customer_address	varchar	-	-
Total_point	int	-	-

10. Products :

Attribute	Data type	Key	Constraints
Product_ID	int	Primary key	-
Product_name	varchar	-	-
Brand	varchar	-	-
Description	varchar	-	-

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