1. Student must purpose the stock management system and design a database (ER-Diagram) for the system.

2. Allow user to enter the category into the system.

3. Allow the user to enter a item’s details (item name, description, price, purchase date, category, if applicable manufactured date and expiry date) into the system.

4. System need to store customers record, allow the user to enter the customer’s details (member number, name, address, contact no, email, member type) into the system.

5. Allow the user to enter or select name of the item and see all items available in stocked.

6. Allow the user to enter or select item name and display items detail with available quantity on stock.

7. System need to allow the user to make items a sale to the customer. Ask user to input item code, quantity. When user enter item code, system must retrieve other required information like item name, category, price etc. for billing purpose.

8. Allow the user to enter or select a customer by customer number or customer name and view purchases detail that they have been purchased by the last 31 days (i.e. where there is a purchase billing with Billing Date >= Current date -31).

9. System must prompt message to the user at the time of login when there is any item running out of stock by maintaining minimum stock item to 10.

10. System must allow users to remove all items from stock.

This function should

1. Produce a list of all items which are on stock for long time and delete the items.

11. Produce a list of all items currently out of stock.

***Note:*** while producing list of all items, item need to be sorted: a) by item name in ascending order, b) by item stock quantity in high to low and c) by item stocked date in descending order.

12. Allow the user to produce a list of all customers who have not bought any item in the last 31 days.

13. Allow the user to display a list of all items in the stock where no item has been sold in the last 31 days.

14. Allow normal users to change their own passwords while Admin users can change any detail of normal User (including adding and deleting rows).