# Cloth Shop Management System

## INTRODUCTION

This system will provide the user an easy access to his/her stock and also have functions for managing, storing, deleting and updating the stock stored.

## PROBLEM STATEMENT

The method of manually storage of data has the following disadvantages:

- Adding and organizing data consumes a lot of time and energy of staff workers.

- Errors can occur during manual processing of data (incorrect calculations).

- Increases the chance of stealing of information (since anyone can access the sales' registers).

- Retrieving data takes a lot of effort and time of salespersons since the exact location of data is unknown (in which register the required info is).
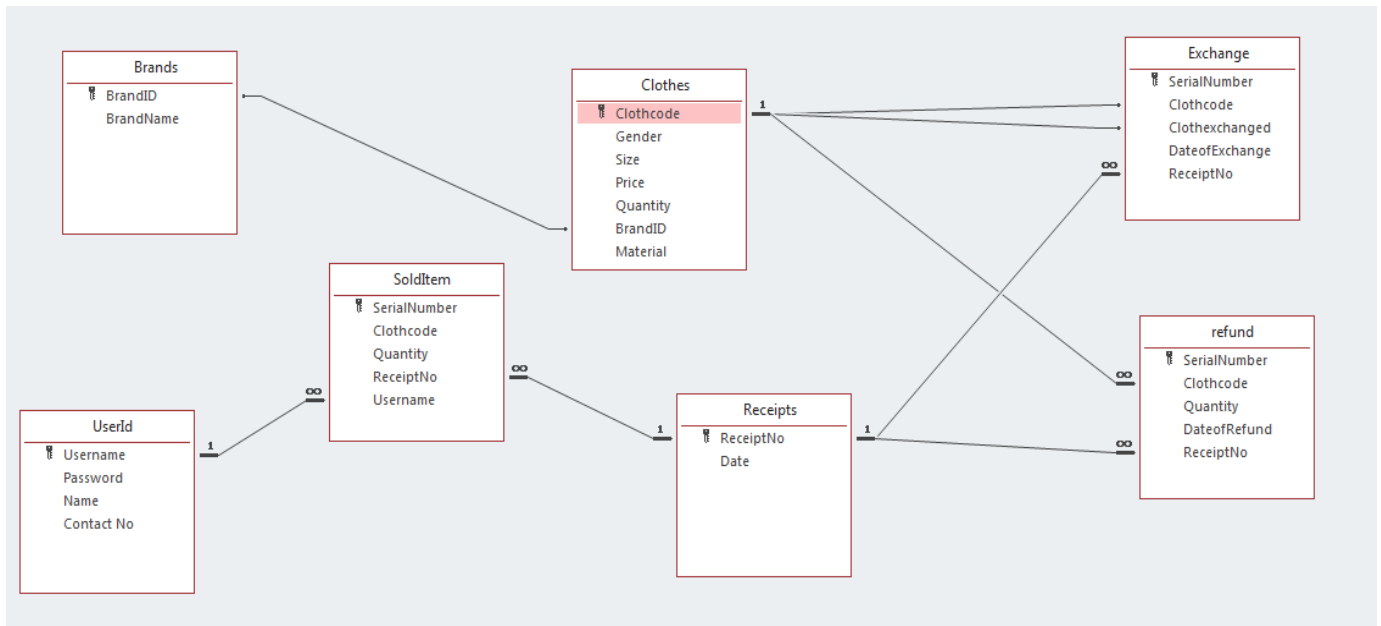
## BUSINESS REQUIREMENTS

- The system should store the clothes stock in a database.
- The system should be able to traverse the stock easily.
- The system should generate Receipts and have the data of sold items on the said receipt.
- It should only be accessed by the users fed in the database.

## USER REQUIREMENTS

- To search for cloth details (brand name, price, material, size, gender) by entering cloth code.

- To calculate total cost of purchased garments.

- To update quantity of stock after every purchase (keep record of available stock).

- To handle refund of clothes process.

- To manage exchange of clothes process.

- To generate receipts and its date and keep their record after completion of selling process.

- To insert record of clothes when new stock arrives.

- To delete record of clothes when a specific cloth stock is no more required (cloth goes out of fashion or demand).

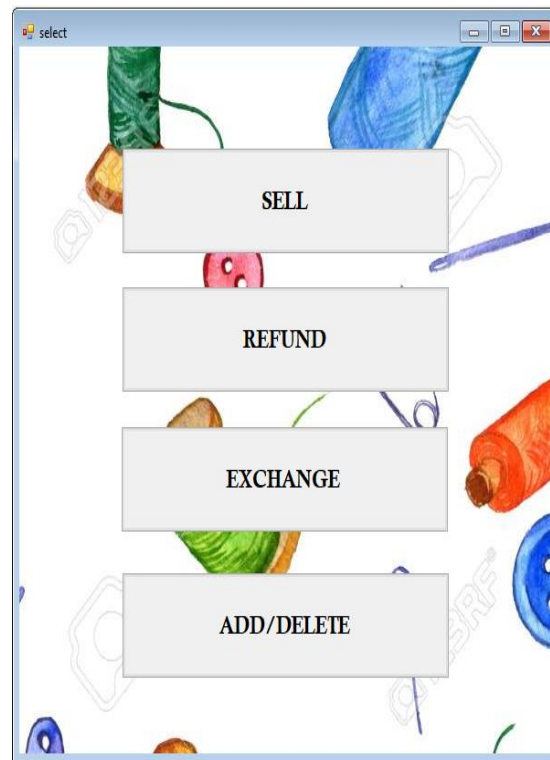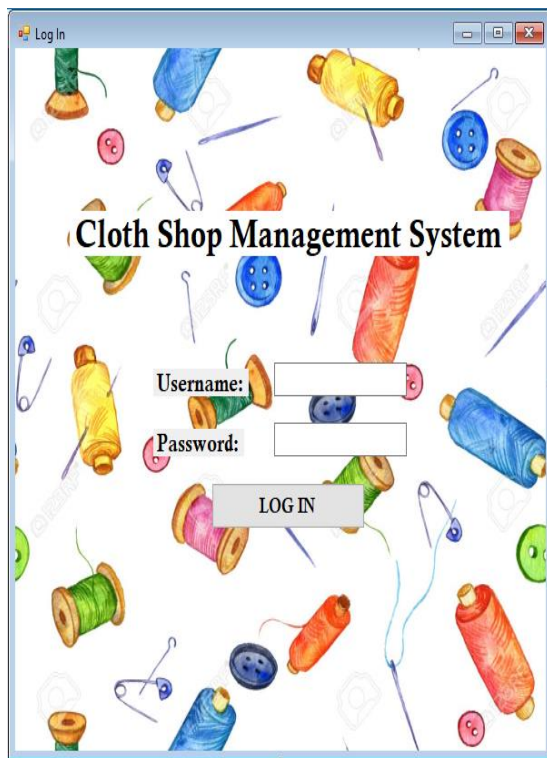# ENTITY RELATIONSHIP DIAGRAM



## ADVANTAGES

- Adding data takes less time and less efforts as compared to manual way of data storage

- No or less chances of errors in data (as calculations are done electronically)

- Retrieving and modifying data becomes less tedious

- Secure way of data storage and organization (since access to database is given only to authorized staff)

## FUNCTIONALITY

- This system is accessible only to authenticated users (salespersons of fabric shop). Each of them will have their valid user ID and password.

- Therefore, each entered username and password will be checked whether it matches the ones in our database or not.

- After logging in, four options will be provided to the salesperson:

i. Sell

ii. Refund

iii. Exchange

iv. Add/delete stock.



- For selling process, the salesperson will enter code of the cloth bought by the customer and its quantity, and press SEARCH button.

- This will give out data (price for each article, its size, gender, brand ID) taken from the Access database.

- The total costs will also be calculated.

- Once the cloth codes for all bought articles are entered, the salesperson will press SOLD button to generate receipt.

- Records of sold items and receipts are stored in database.
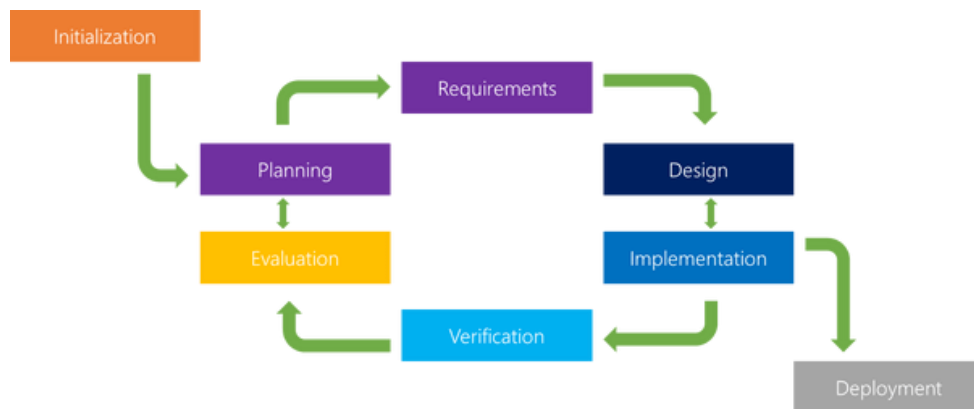
- Quantities are updated as well.

- For refund process, salesperson will enter the code and the quantity of the article to be returned/refunded, and the receipt number of the purchase.

- Whether the cloth code entered matches the receipt number or not, will be checked through database.

- If match occurs, then refund is successful, and quantity of refunded cloth is incremented in database.

- For exchange process, salesperson will enter the code of the article to be returned/refunded, the code of new article bought in exchange, and the receipt number of the purchase.

- Whether the cloth code entered matches the receipt number or not, will be checked through database.

- If match occurs, then exchange is successful, and quantity of returned cloth is incremented, while the quantity of the one bought in exchange is decremented in database.

- For inserting record of clothes when new stock arrives, all details of cloth will be entered into database.

- For deleting record of clothes when a cloth is no more required (cloth goes out of fashion or demand), cloth code will be entered and matched with record in database. Then it will delete that record.

- For updating the quantity of any article, the salesperson will enter cloth code and quantity. Cloth code will be matched with record in database. Then quantity will be incremented.

## SOFTWARE MODEL

- **Iterative** model is used since we kept modifying our design, planning, etc. even at later stages.

# CRYSTAL REPORT

- This is the receipt that will be generated when a purchase is made.

| Username | faizan.ali@gmail.com | | Date | 1/29/2019 12:00:00AM |
|---|---|---|---|---|
| ReceiptNo | 16 | | | |

| SerialNumber | Clothcode | Quantity | Price |
|---|---|---|---|
| 101 | BS-5003L | 2 | 7,000 |
| 102 | BS-5001 | 1 | 2,700 |
| 103 | GA-3002M | 1 | 2,800 |
| 104 | KH-1002M | 1 | 2,800 |
| | | TotalPrice | 15,300 |