**The Clothing Traders Sales Database**

Clothing Traders markets a line of clothing and sporting goods via mail order catalogues and a site on the Internet. The Clothing Traders accepts customer orders vis phone, mail, and fax. The company recently experienced substantial growth, and as a result, management decided to offer 24-hour customer order service. The existing microcomputer-based database system is not able to handle the current transaction volume that is generated by sales representatives processing incoming orders. Management is concerned that this system does not have the capability of handling incoming orders. The management hopes an increase of the annual profit by 15% after the implementation of this new database and the ordering system.

When a customer places an order for one or many items, the sales representative must check to see if the ordered items are in stock. If the customer agrees to buy the available items, the representative places the order and then update the available quantiles on hand to reflect that the items have been sold. The details of orders and the quantities of items sold, and the sale price of each item in each order should be recorded in the database.

If any item is not in stock, the representative should be able to advise the customer when the item will be available. When a new inventory shipment is received, a receiving clerk must update the inventory to show the new quantities on hand. The system must produce invoices that includes customers shipments and reports showing inventory levels of items, possibly using charts or graphs. Marketing managers should be able to track each order’s source (particular catalogue number or website) to help plan future promotions. The inventory shipment details of should be kept within the database for five years.

The following data items will be included:

* Customer name, address, and daytime and evening phone numbers.
* The names of sales representatives and the orders they placed for customers.
* Order date, payment method (Cash, credit card), order source (Email, phone, Web Site), and associated item numbers, sizes, colours, quantities ordered.
* The details of items sold in each order including quantities and the sale prices.
* Item descriptions, categories (women’s clothing, outdoor gear, etc.), sale prices, quantities on hand, and next shipment information for out-of-stock items. Many clothing items are available in multiple sizes and colours. Sometimes the same item has different prices depending on the item size.
* Information about incoming item shipments and back-ordered shipments and the details of suppliers. There can be items from different suppliers in a shipment.

The Reports Required

1. List of customers and their orders (see the sample report)

2. The items sold on a particular order from a customer(see the sample report).

3. List of items in a shipment with the arrival date (see the sample report).

Sample Reports

**1.List of customers and their orders**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Customer First Name | Customer Surname | Order Number | Order date | Order Source | Sales Rep |
| Peter | Jackson | 10009 | 12/08/2019 | Web | Marie |
| Nikki | North | 10003 | 13/08/2019 | Text | Jane |
| George | Singh | 10043 | 19/09/2019 | Email | Jane |
| Kate | Kaur | 10053 | 27/09/2019 | Phone | Sally |

**2.The items sold on a particular order from a customer**

**Order No : 10009 Customer Number: 100456**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item No | Item Name | Colour | Size | Quantity | Sales Price |
| 1009 | Jacket | Black | Large | 1 | $123.90 |
| 1221 | Shirt | White | 16 | 2 | $45.00 |
| 1254 | Pant | Red | Small | 3 | $40.00 |
| 3278 | Pant | Black | large | 2 | $60.00 |

**3. List of items in a shipment with the arrival date.**

**Date of Arrival : 01/10/2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No | Item Name | Quantity | Cost Price | Supplier Name |
| 1254 | Pant | 500 | $20.00 | Windy garments |
| 1221 | Shirt | 1000 | $20.00 | Windy garments |
| 3278 | Pant | 500 | $25.00 | Sunray Ltd |
| 1009 | Jacket | 50 | $60.00 | Sunray Ltd |