INVENTORY MANAGEMENT SYSTEM

DATABASE DESIGN

1. **Tables in Our Database**

```
mysql> show tables;
+---------------------------------------+
| Tables_in_inventory_management_system |
+---------------------------------------+
| administration                        |
| customer                              |
| order_info                            |
| payment                               |
| product                               |
| sales                                 |
| stocks                                |
| supplier                              |
+---------------------------------------+
8 rows in set (0.00 sec)
```

2. **Administration Table: -**

```
mysql> desc administration;
+---------------+-------------+------+-----+---------+----------------+
| Field         | Type        | Null | Key | Default | Extra          |
+---------------+-------------+------+-----+---------+----------------+
| user_id       | int         | NO   | PRI | NULL    | auto_increment |
| user_position | varchar(50) | YES  |     | NULL    |                |
| user_name     | varchar(50) | YES  |     | NULL    |                |
| user_email    | varchar(50) | YES  |     | NULL    |                |
| user_password | int         | YES  |     | NULL    |                |
| user_mobile   | int         | YES  |     | NULL    |                |
| user_location | varchar(50) | YES  |     | NULL    |                |
+---------------+-------------+------+-----+---------+----------------+
7 rows in set (0.00 sec)
```

3. Customer Table: -

```
mysql> desc Customer;
+-------------------+-------------+------+-----+---------+----------------+
| Field             | Type        | Null | Key | Default | Extra          |
+-------------------+-------------+------+-----+---------+----------------+
| customer_id       | int         | NO   | PRI | NULL    | auto_increment |
| customer_name     | varchar(50) | YES  |     | NULL    |                |
| customer_mobile   | int         | YES  |     | NULL    |                |
| customer_location | varchar(50) | YES  |     | NULL    |                |
| customer_email    | varchar(50) | YES  |     | NULL    |                |
| customer_password | int         | YES  |     | NULL    |                |
+-------------------+-------------+------+-----+---------+----------------+
6 rows in set (0.00 sec)
```

4. Order_info Table: -

```
mysql> desc order_info;
+-----------------+-------------+------+-----+---------+----------------+
| Field           | Type        | Null | Key | Default | Extra          |
+-----------------+-------------+------+-----+---------+----------------+
| order_id        | int         | NO   | PRI | NULL    | auto_increment |
| order_status    | varchar(50) | YES  |     | NULL    |                |
| order_date      | date        | YES  |     | NULL    |                |
| order_quantity  | int         | YES  |     | NULL    |                |
| order_totalprice| int         | YES  |     | NULL    |                |
+-----------------+-------------+------+-----+---------+----------------+
5 rows in set (0.00 sec)
```

5. Payment Table: -

```
mysql> desc payment;
+----------------+-------------+------+-----+---------+----------------+
| Field          | Type        | Null | Key | Default | Extra          |
+----------------+-------------+------+-----+---------+----------------+
| payment_id     | int         | NO   | PRI | NULL    | auto_increment |
| order_id       | int         | YES  | MUL | NULL    |                |
| payment_status | varchar(50) | YES  |     | NULL    |                |
| payment_date   | date        | YES  |     | NULL    |                |
+----------------+-------------+------+-----+---------+----------------+
4 rows in set (0.00 sec)
```

6. Sales Table: -

```
mysql> desc sales;
+----------------+-------------+------+-----+---------+----------------+
| Field          | Type        | Null | Key | Default | Extra          |
+----------------+-------------+------+-----+---------+----------------+
| sales_id       | int         | NO   | PRI | NULL    | auto_increment |
| sales_revenue  | varchar(50) | YES  |     | NULL    |                |
| supplier_id    | int         | YES  | MUL | NULL    |                |
| customer_id    | int         | YES  | MUL | NULL    |                |
| product_id     | int         | YES  | MUL | NULL    |                |
| sales_date     | date        | YES  |     | NULL    |                |
| sales_quantity | int         | YES  |     | NULL    |                |
+----------------+-------------+------+-----+---------+----------------+
7 rows in set (0.00 sec)
```

7. Stocks Table: -

```
mysql> desc stocks;
+-----------------+-------------+------+-----+---------+----------------+
| Field           | Type        | Null | Key | Default | Extra          |
+-----------------+-------------+------+-----+---------+----------------+
| Product_id      | int         | NO   | PRI | NULL    | auto_increment |
| Product_name    | varchar(50) | YES  |     | NULL    |                |
| Available_stock | varchar(50) | YES  |     | NULL    |                |
+-----------------+-------------+------+-----+---------+----------------+
3 rows in set (0.00 sec)
```

8. Products Table: -

```
mysql> desc product;
+---------------------+-------------+------+-----+---------+----------------+
| Field               | Type        | Null | Key | Default | Extra          |
+---------------------+-------------+------+-----+---------+----------------+
| product_id          | int         | NO   | PRI | NULL    | auto_increment |
| product_name        | varchar(50) | YES  |     | NULL    |                |
| product_description | varchar(50) | YES  |     | NULL    |                |
| product_price       | int         | YES  |     | NULL    |                |
| product_brand       | varchar(50) | YES  |     | NULL    |                |
+---------------------+-------------+------+-----+---------+----------------+
5 rows in set (0.00 sec)
```

9. Supplier Table: -

```
mysql> desc supplier;
+-------------------+-------------+------+-----+---------+----------------+
| Field             | Type        | Null | Key | Default | Extra          |
+-------------------+-------------+------+-----+---------+----------------+
| supplier_id       | int         | NO   | PRI | NULL    | auto_increment |
| supplier_name     | varchar(50) | YES  |     | NULL    |                |
| supplier_mobile   | int         | YES  |     | NULL    |                |
| supplier_location | varchar(50) | YES  |     | NULL    |                |
| supplier_email    | varchar(50) | YES  |     | NULL    |                |
| supplier_password | int         | YES  |     | NULL    |                |
+-------------------+-------------+------+-----+---------+----------------+
6 rows in set (0.00 sec)
```