SALES MANAGEMENT SYSTEM(JAVA)

```java
public class User{
    private String Fullname;
    private String Phone;
    private String Username;
    private String Password;

    public User() {
        Fullname = "Khamis Said Mohd";
        Phone = "0773274743";
        Username = "admin";
        Password = "123";
    }
    public User(String fullname, String phone, String username, String password) {
        Fullname = fullname;
        Phone = phone;
        Username = username;
        Password = password;
    }

    public void setFullname(String fullname) {
        Fullname = fullname;
    }
    public void setPhone(String phone) {
        Phone = phone;
    }
    public void setUsername(String username) {
        Username = username;
    }
    public void setPassword(String password) {
        Password = password;
    }

    public String getFullname() {
        return Fullname;
    }
    public String getPhone() {
        return Phone;
    }
    public String getUsername() {
        return Username;
```

```java
        }
    public String getPassword() {
        return Password;
    }

    @Override
    public String toString() {
        return "User [Fullname=" + Fullname + ", Phone=" + Phone + ",
Username=" + Username + ", Password=" + Password
                + "]";
    }


}
```

```java
public class Manager extends User{
    private String MID;
    private String Privillage;
    public Manager(String mID, String privillage) {
        MID = mID;
        Privillage = privillage;
    }
    public Manager(String fullname, String phone, String username,
String password, String mID, String privillage) {
        super(fullname, phone, username, password);
        MID = mID;
        Privillage = privillage;
    }
    @Override
    public String toString() {
        return "Manager [MID=" + MID + ", Privillage=" + Privillage +
", fullname=" + super.getFullname() +
        ", phone=" + super.getPhone() + ", username=" +
super.getUsername() + ", password=" + super.getPassword()"]";
    }


}
```

```java
public class Seller extends User{
```

```java
    private String SID;
    private String Privillage;
    public Seller(String sID, String privillage) {
        SID = sID;
        Privillage = privillage;
    }
    public Seller(String fullname, String phone, String username,
String password, String sID, String privillage) {
        super(fullname, phone, username, password);
        SID = sID;
        Privillage = privillage;
    }
    @Override
    public String toString() {
        return "Seller [SID=" + SID + ", Privillage=" + Privillage +
", fullname=" + super.getFullname() +
        ", phone=" + super.getPhone() + ", username=" +
super.getUsername() + ", password=" + super.getPassword() + "]";
    }


}
```

```java
public class Product{
    private String ProdID;
    private String ProdName;
    private int ProdUnitprice;
    private int ProdQuantity;

    public Product() {
        ProdID = "P223";
        ProdName = "Laptop";
        ProdUnitprice = 400000;
        ProdQuantity = 10;
    }
    public Product(String prodID, String prodName, int prodUnitprice,
int prodQuantity) {
        ProdID = prodID;
        ProdName = prodName;
        ProdUnitprice = prodUnitprice;
        ProdQuantity = prodQuantity;
    }

    public void setProdID(String prodID) {
```

```java
        ProdID = prodID;
    }
    public void setProdName(String prodName) {
        ProdName = prodName;
    }
    public void setProdUnitprice(int prodUnitprice) {
        ProdUnitprice = prodUnitprice;
    }
    public void setProdQuantity(int prodQuantity) {
        ProdQuantity = prodQuantity;
    }

    public String getProdID() {
        return ProdID;
    }
    public String getProdName() {
        return ProdName;
    }
    public int getProdUnitprice() {
        return ProdUnitprice;
    }
    public int getProdQuantity() {
        return ProdQuantity;
    }

    @Override
    public String toString() {
        return "Product [ProdID=" + ProdID + ", ProdName=" + ProdName
+ ", ProdUnitprice=" + ProdUnitprice
                + ", ProdQuantity=" + ProdQuantity + "]";
    }



}
```

```java
public class Customer{
```

```java
    private String CustID;
    private String CustFname;
    private String CustLname;
    private String CustAddress;
    private String CustPhone;

    public Customer() {
        CustID = "C334";
        CustFname = "Omar";
        CustLname = "Ali";
        CustAddress = "Amani";
        CustPhone = "0778976545";
    }
    public Customer(String custID, String custFname, String custLname,
String custAddress, String custPhone) {
        CustID = custID;
        CustFname = custFname;
        CustLname = custLname;
        CustAddress = custAddress;
        CustPhone = custPhone;
    }

    public void setCustID(String custID) {
        CustID = custID;
    }
    public void setCustFname(String custFname) {
        CustFname = custFname;
    }
    public void setCustLname(String custLname) {
        CustLname = custLname;
    }
    public void setCustAddress(String custAddress) {
        CustAddress = custAddress;
    }
    public void setCustPhone(String custPhone) {
        CustPhone = custPhone;
    }

    public String getCustID() {
        return CustID;
    }
    public String getCustFname() {
        return CustFname;
    }
    public String getCustLname() {
```

```java
        return CustLname;
    }
    public String getCustAddress() {
        return CustAddress;
    }
    public String getCustPhone() {
        return CustPhone;
    }
    @Override
    public String toString() {
        return "Customer [CustID=" + CustID + ", CustFname=" +
CustFname + ", CustLname=" + CustLname + ", CustAddress="
                + CustAddress + ", CustPhone=" + CustPhone + "]";
    }

}
```

```java
public class MyExceptionHandle extends Exception{
    MyExceptionHandle(int x){
        System.out.println("Something wrong! make sure you put valid
input correct!");
    }
}
```

```java
public class Sale{
    private String Date;
    private int SaleQuantity;
    private int Discount;
    private String Paystatus;
    private Product product;
    private Customer customer;
    public Sale(String date, int saleQuantity, int discount, String
paystatus, Product product, Customer customer) {
        Date = date;
        SaleQuantity = saleQuantity;
        Discount = discount;
        Paystatus = paystatus;
        this.product = product;
        this.customer = customer;
    }
    public void setDate(String date) {
        Date = date;
    }
```

```java
    public void setSaleQuantity(int saleQuantity) {
        SaleQuantity = saleQuantity;
    }
    public void setDiscount(int discount) {
        Discount = discount;
    }
    public void setPaystatus(String paystatus) {
        Paystatus = paystatus;
    }
    public void setProduct(Product product) {
        this.product = product;
    }
    public void setCustomer(Customer customer) {
        this.customer = customer;
    }
    public String getDate() {
        return Date;
    }
    public int getSaleQuantity() {
        return SaleQuantity;
    }
    public int getDiscount() {
        return Discount;
    }
    public String getPaystatus() {
        return Paystatus;
    }
    public Product getProduct() {
        return product;
    }
    public Customer getCustomer() {
        return customer;
    }
    @Override
    public String toString() {
        return "Sale [Date=" + Date + ", SaleQuantity=" + SaleQuantity
+ ", Discount=" + Discount + ", Paystatus="
                + Paystatus + ", product=" + product + ", customer=" +
customer + "]";
    }

}
```

```java
import java.util.*;
```

```java
public class Login{
    public static void main(String[] args) {
        Scanner put = new Scanner(System.in);
        System.out.println("++++++++++++++++++++++++++++++++++++++++");
        System.out.println("++++++++++++++++++++++++++++++++++++++++");
        System.out.println("++++           WELCOME TO           ++++");
        System.out.println("++++   SALES MANAGEMENT SYSTEM      ++++");
        System.out.println("++++++++++++++++++++++++++++++++++++++++");
        System.out.println("++++++++++++++++++++++++++++++++++++++++");
        System.out.println();
        System.out.println("Are you Manager or Seller?");
        System.out.println("1: Manager");
        System.out.println("2: Seller");
        System.out.println("Enter number to Login: ");
        try {
            while (true) {
                int priv = put.nextInt();
                Product product = new Product();
                Customer customer = new Customer();
                if (priv == 1) {
                    System.out.println("Welcome Manager");
                    System.out.println("List of Product");
                    System.out.println(product.toString());
                    System.out.println("List of Customer");
                    System.out.println(customer.toString());
                    System.out.println();
                    System.out.println("Any activity want to do?");
                    System.out.println("1: Add New Product");
                    System.out.println("2: Add New Customer");
                    System.out.println("3: Sales");
                    System.out.println("0: No/Cancel");
                    System.out.println("Enter number to Specify
activity: ");
                    while (true) {
                        int activity = put.nextInt();
                        switch (activity) {
                            case 1:
                                System.out.println("Enter Product ID:
");
                                String proID = put.nextLine();
                                String prID = put.nextLine();
                                System.out.println("Enter Product
Name: ");
                                String name = put.nextLine();
```

```java
                                    System.out.println("Enter UnitPrice:
");
                                    int UnitPrice = put.nextInt();
                                    System.out.println("Enter Product
Quantity: ");
                                    int Quantity = put.nextInt();

                                    Product newproduct = new Product(prID,
name, UnitPrice, Quantity);
                                    System.out.println("List of
Product:");
                                    System.out.println(product.toString())
;
                                    System.out.println(newproduct.toString
());

                                    break;
                            case 2:
                                    System.out.println("Enter CustomerID:
");
                                    String custID = put.nextLine();
                                    String cusID = put.nextLine();
                                    System.out.println("Enter First Name:
");
                                    String Fname = put.nextLine();
                                    System.out.println("Enter Last Name:
");
                                    String Lname = put.nextLine();
                                    System.out.println("Enter Address: ");
                                    String Address = put.nextLine();
                                    System.out.println("Enter Phone: ");
                                    String phone = put.nextLine();
                                    Customer newcustomer = new
Customer(cusID, Fname, Lname, Address, phone);
                                    System.out.println("List of
Customer:");
                                    System.out.println(customer.toString()
);
                                    System.out.println(newcustomer.toStrin
g());

                                    break;
                            case 3:
                                    System.out.println("List of
Product:");
                                    System.out.println(product.toString())
;
```

```java
                                        System.out.println("Enter sale detail:
");
                                        System.out.println("Enter sale date:
");
                                        String date = put.nextLine();
                                        String dateString = put.nextLine();
                                        System.out.println("Enter saleQuntity:
");
                                        int squantity = put.nextInt();
                                        System.out.println("Enter discount:
");
                                        int discount = put.nextInt();
                                        System.out.println("Enter status: ");
                                        String status = put.nextLine();
                                        String custom = customer.toString();
                                        String prodct = product.toString();
                                        Product nproduct = new Product();
                                        Customer ncustomer = new Customer();
                                        System.out.println("Today Sales:");
                                        System.out.println();
                                        Sale sale = new Sale(dateString,
squantity, discount, status, nproduct, ncustomer);
                                        System.out.println(sale.toString());
                                        break;
                                    case 0:
                                        System.out.println("Thank You! Welcome
again");

                                        break;
                                    default:
                                        System.out.println("Invalid Input:");
                                        throw new MyExceptionHandle(0);
                                }
                                break;
                            }

                        break;
                    }
                    else if (priv == 2) {
                        System.out.println("Welcome Seller");
                        System.out.println("List of Product");
                        System.out.println(customer.toString());
                        System.out.println();
                        System.out.println("Any activity want to do?");
                        System.out.println("1: Add New Customer");
                        System.out.println("2: Sales");
```

```java
                        System.out.println("0: No/Cancel");
                        System.out.print("Enter number to Specify
activity: ");

                        while (true) {
                            int activity = put.nextInt();
                            switch (activity) {
                                case 1:
                                    System.out.print("Enter CustomerID:
");

                                    String custID = put.nextLine();
                                    String cutID = put.nextLine();
                                    System.out.print("Enter First Name:
");

                                    String Fname = put.nextLine();
                                    System.out.print("Enter Last Name: ");
                                    String Lname = put.nextLine();
                                    System.out.print("Enter Address: ");
                                    String Address = put.nextLine();
                                    System.out.print("Enter Phone: ");
                                    String phone = put.nextLine();
                                    Customer newcustomer = new
Customer(cutID, Fname, Lname, Address, phone);
                                    System.out.println("List of
Customer:");

                                    System.out.println(customer.toString()
);

                                    System.out.println(newcustomer.toStrin
g());

                                    break;
                                case 2:
                                System.out.println("List of Product:");
                                System.out.println(product.toString());
                                System.out.println("Enter sale detail: ");
                                System.out.println("Enter sale date: ");
                                String date = put.nextLine();
                                String dateString = put.nextLine();
                                System.out.println("Enter saleQuntity: ");
                                int squantity = put.nextInt();
                                System.out.println("Enter discount: ");
                                int discount = put.nextInt();
                                System.out.println("Enter status: ");
                                String status = put.nextLine();
                                String custom = customer.toString();
                                String prodct = product.toString();
                                Product nproduct = new Product();
```

```java
                                Customer ncustomer = new Customer();
                                System.out.println("Today Sales:");
                                System.out.println();
                                Sale sale = new Sale(dateString,
squantity, discount, status, nproduct, ncustomer);
                                System.out.println(sale.toString());
                                break;
                                case 0:
                                    System.out.println("Thank You! Welcome
again");

                                    break;
                                default:
                                    System.out.println("Invalid Input:");
                                    throw new MyExceptionHandle(0);
                            }
                            break;
                        }

                    break;
                }
                else  System.out.println("Invalid input!! Enter
Again");
            }

        } catch (Exception e) {
            System.out.println("Something went wrong");

        }

    }

}
```