Project: 1 OrderProcessingSystem

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1. Create the database using MYSQL

- create database orderprocess;

2. Create a Customer table

- create table customer (customerId INTEGER, customerName VARCHAR(255), address VARCHAR(255), phone INTEGER, PRIMARY KEY(customerId));

3. Create a Product table

- create table product (productId INTEGER, productPrice FLOAT(6,2), productType VARCHAR(255), PRIMARY KEY (productId));

4. Create a Stock table

- create table stock (productId INTEGER, quantity INTEGER, shopNo INTEGER, FOREIGN KEY((productId) REFERENCES product(productId));

5. Create a Order table

- create table ordertable(orderId INTEGER, customerId INTEGER, customerName VARCHAR(255), productId INTEGER, amount FLOAT, orderDate DATETIME, PRIMARY KEY(orderId), FOREIGN KEY(customerId ) REFERENCES customer(customerId), FOREIGN KEY((productId) REFERENCES product(productId));

6. Execute the program

Output:

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Order processing system menu options:

1 - Customer

2 - Product

3 - Stock

4 - Order

5 - exit from the program

Please choose your option:

1

Customer module menu options are:

1 - Add a Customer

2 - Edit a Customer

3 - Delete a Customer

4 - Exit from Customer module

Enter your option:

1

Enter the Customer ID:

1000

Enter the Customer name:

John

Enter the Customer address:

Bengaluru

Enter the Customer phone number:

766890

Customer details are inserted into the table successfully.

Customer module menu options are:

1 - Add a Customer

2 - Edit a Customer

3 - Delete a Customer

4 - Exit from Customer module

Enter your option:

2

Enter the Customer ID:

1000

Enter the Customer name:

Peter

Enter the Customer address:

Mysore

Enter the Customer phone number:

545464

Customer details are updated successfully.

Customer module menu options are:

1 - Add a Customer

2 - Edit a Customer

3 - Delete a Customer

4 - Exit from Customer module

Enter your option:

3

Enter the Customer ID:

1000

Customer details are deleted successfully.

Customer module menu options are:

1 - Add a Customer

2 - Edit a Customer

3 - Delete a Customer

4 - Exit from Customer module

Enter your option:

1

Enter the Customer ID:

1000

Enter the Customer name:

Benjimen

Enter the Customer address:

Bengaluru

Enter the Customer phone number:

868696

Customer details are inserted into the table successfully.

Customer module menu options are:

1 - Add a Customer

2 - Edit a Customer

3 - Delete a Customer

4 - Exit from Customer module

Enter your option:

4

Exited from the customer module.

Order processing system menu options:

1 - Customer

2 - Product

3 - Stock

4 - Order

5 - exit from the program

Please choose your option:

2

Product module menu options are:

1 - Add a Product

2 - Modify a Product

3 - Select a Product

4 - Exit from Product module

Enter your option:

1

Enter the product ID:

100

Enter the product price:

1000

Enter the product type:

Paracetemol

database connection established.

Product details are inserted into the table successfully.

Product module menu options are:

1 - Add a Product

2 - Modify a Product

3 - Select a Product

4 - Exit from Product module

Enter your option:

2

Enter the product ID:

100

Enter the product price:

900

Enter the product type:

Paracetemol syp

Product details are updated successfully.

Product module menu options are:

1 - Add a Product

2 - Modify a Product

3 - Select a Product

4 - Exit from Product module

Enter your option:

3

Enter the product ID:

100

100 | 900.0 | Paracetemol syp

Product module menu options are:

1 - Add a Product

2 - Modify a Product

3 - Select a Product

4 - Exit from Product module

Enter your option:

4

Exited from the product module.

Order processing system menu options:

1 - Customer

2 - Product

3 - Stock

4 - Order

5 - exit from the program

Please choose your option:

3

Stock module menu options are:

1 - Add Stock

2 - Modify a Stock

3 - Select a Stock

4 - Exit from Stock module

Enter your option:

1

Enter the product ID:

100

Enter the product quantity:

50

Enter the shop no:

200

database connection established.

Stock details are inserted into the table successfully.

Stock module menu options are:

1 - Add Stock

2 - Modify a Stock

3 - Select a Stock

4 - Exit from Stock module

Enter your option:

2

Enter the product ID:

100

Enter the product quantity:

55

Enter the shop no:

201

database connection established.

Stock details are updated into the table successfully.

Stock module menu options are:

1 - Add Stock

2 - Modify a Stock

3 - Select a Stock

4 - Exit from Stock module

Enter your option:

3

Enter the product ID:

100

100 | 55 | 201

Stock module menu options are:

1 - Add Stock

2 - Modify a Stock

3 - Select a Stock

4 - Exit from Stock module

Enter your option:

4

Exited from the stock module.

Order processing system menu options:

1 - Customer

2 - Product

3 - Stock

4 - Order

5 - exit from the program

Please choose your option:

4

Order module menu options are:

1 - Create an Order

2 - Modify an Order

3 - Exit from Order

Enter your option:

1

Enter the product Id for order:

100

Enter the required quantity of items:

20

Enter the Order Id:

0001

Enter the Customer ID:

1000

Enter the Customer name:

Benjimen

Enter the product ID:

100

Enter the Amount:

400

Order date is:

2017-11-20 21:25:35

Order created successfully.

Stock details are updated into the table successfully.

Enter the orderId for the order details:

1

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Order information details \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

OrderId | CustomerId | Customer Name | Product Id | Amount | Order date

1 | 1000 | Benjimen | 100 | 400.0 | 2017-11-20 21:25:35.0

Order module menu options are:

1 - Create an Order

2 - Modify an Order

3 - Exit from Order

Enter your option:

2

Enter the order ID:

1

Enter the Customer ID:

1000

Enter the Customer name:

Benjimen

Enter the product ID:

100

Enter the Amount:

450

Order date is:

2017-11-20 21:26:17

database connection established.

Order details are updated successfully.

Enter the orderId for the order details:

1

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Order information details \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

OrderId | CustomerId | Customer Name | Product Id | Amount | Order date

1 | 1000 | Benjimen | 100 | 450.0 | 2017-11-20 21:26:17.0

Order module menu options are:

1 - Create an Order

2 - Modify an Order

3 - Exit from Order

Enter your option:

3

Please enter a valid option.

Order processing system menu options:

1 - Customer

2 - Product

3 - Stock

4 - Order

5 - exit from the program

Please choose your option:

6

Please enter a valid option.

Order processing system menu options:

1 - Customer

2 - Product

3 - Stock

4 - Order

5 - exit from the program

Please choose your option:

5

Exited from the program...

Project: 2 ShapeProject

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1. Execute this program by providing the arguments directly

Shape rectangleShape = new Rectangle("red", 6, 4);

Shape squareShape = new Square("green", 5);

Shape circleShape = new Circle("blue", 2);

Output:

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Area of the Rectangle is: 24.0 and the color of the rectangle shape is: red

Area of the Square is: 25.0 and the color of the Square shape is: green

Area of the Circle is: 12.56 and the color of the Circle shape is: blue