

```

+-----+
|   User   |
+-----+
| - user_id: int |
| - name: String |
| - email: String |
+-----+
| + createOrder() |
| + viewOrders() |
| + manageAccount()|
+-----+
|
| 1
|
| *
+-----+
|   Order   |
+-----+
| - order_id: int |
| - user_id: int |
| - order_date: Date |
| - status: String |
+-----+
| + addProduct(product: Product, quantity: int) |
| + removeProduct(product: Product)           |
| + calculateTotal()                           |
+-----+
|
| 1
|
| 1
+-----+
|   Payment   |
+-----+
| - payment_id: int|
| - order_id: int |
| - amount: float |
| - payment_date: Date|
| - status: String |
+-----+
| + processPayment()|
| + refund()        |
+-----+
|

```

```
      | *  
      |  
      | 1  
+-----+  
|   Product   |  
+-----+  
| - product_id: int |  
| - name: String   |  
| - description: String |  
| - price: float    |  
| - stock: int      |  
+-----+  
| + updateStock()  |  
| + getDetails()   |  
+-----+
```