

## Bài toán giỏ hàng

Bước 1:

Tạo Database: CartBD

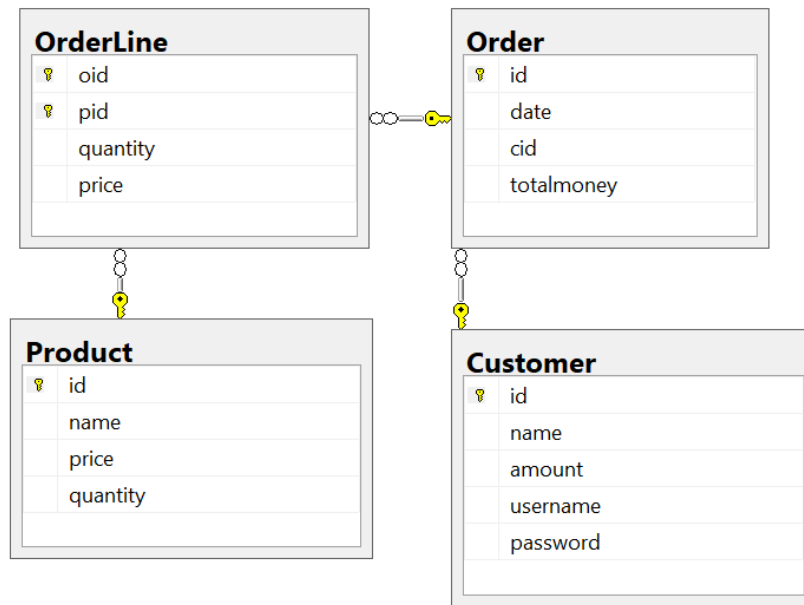
```
CREATE DATABASE [CartDB]
GO
USE [CartDB]
GO
CREATE TABLE [dbo].[Customer](
    [id] [int] NOT NULL,
    [name] [varchar](150) NOT NULL,
    [amount] [money] NULL,
    [username] [varchar](50) NULL,
    [password] [varchar](50) NULL,
    CONSTRAINT [PK_Customer] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
CREATE TABLE [dbo].[Order](
    [id] [int] IDENTITY(1,1) NOT NULL,
    [date] [date] NOT NULL,
    [cid] [int] NOT NULL,
    [totalmoney] [money] NULL,
    CONSTRAINT [PK_Order] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
CREATE TABLE [dbo].[OrderLine](
    [oid] [int] NOT NULL,
    [pid] [int] NOT NULL,
    [quantity] [float] NOT NULL,
    [price] [float] NOT NULL,
    CONSTRAINT [PK_OrderLine] PRIMARY KEY CLUSTERED
(
    [oid] ASC,
    [pid] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
CREATE TABLE [dbo].[Product](
    [id] [int] NOT NULL,
    [name] [varchar](150) NOT NULL,
    [price] [float] NOT NULL,
    [quantity] [int] NULL,
    CONSTRAINT [PK_Product] PRIMARY KEY CLUSTERED
(
    [id] ASC
```

```

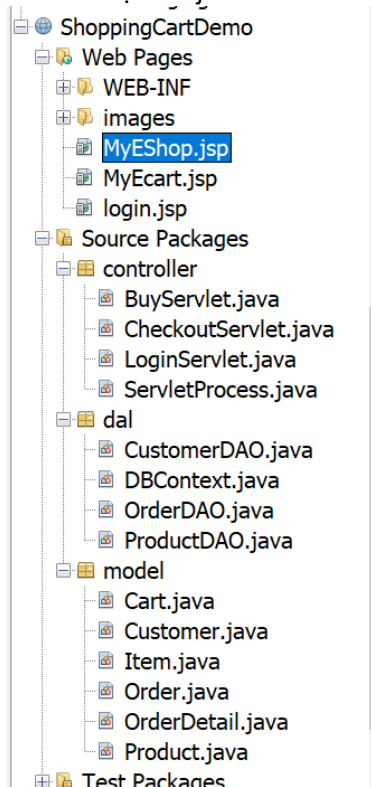
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
INSERT [dbo].[Customer] ([id], [name], [amount], [username], [password]) VALUES (1,
N'Mr A', 20000.0000, N'a', N'123')
INSERT [dbo].[Customer] ([id], [name], [amount], [username], [password]) VALUES (2,
N'Mr B', 1000000.0000, N'b', N'123')
INSERT [dbo].[Customer] ([id], [name], [amount], [username], [password]) VALUES (3,
N'Ms C', 800000.0000, N'c', N'123')
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (1, N'Cocacola', 10,
100)
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (2, N'Fanta', 8, 40)
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (3, N'7up', 13, 200)
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (4, N'Pepsi', 9, 210)
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (5, N'Number one',
15, 200)
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (6, N'Dr thanh', 18,
120)
INSERT [dbo].[Product] ([id], [name], [price], [quantity]) VALUES (7, N'lavie', 6, 300)
ALTER TABLE [dbo].[Order] WITH CHECK ADD CONSTRAINT [FK_Order_Customer] FOREIGN
KEY([cid])
REFERENCES [dbo].[Customer] ([id])
GO
ALTER TABLE [dbo].[Order] CHECK CONSTRAINT [FK_Order_Customer]
GO
ALTER TABLE [dbo].[OrderLine] WITH CHECK ADD CONSTRAINT [FK_OrderLine_Order] FOREIGN
KEY([oid])
REFERENCES [dbo].[Order] ([id])
GO
ALTER TABLE [dbo].[OrderLine] CHECK CONSTRAINT [FK_OrderLine_Order]
GO
ALTER TABLE [dbo].[OrderLine] WITH CHECK ADD CONSTRAINT [FK_OrderLine_Product]
FOREIGN KEY([pid])
REFERENCES [dbo].[Product] ([id])
GO
ALTER TABLE [dbo].[OrderLine] CHECK CONSTRAINT [FK_OrderLine_Product]
GO

```

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Bước 2: Tạo Project có tên ShoppingCartDemo (3 package: model,dal,controller (thuộc src))



Add Framework (sqljdbc42 - lib)

Copy file DBContext.java vào package dal, sửa file này cho đúng với đầu bài (CartDB) đúng với tên Server, username, password (mày mình)

Bước 3: Tạo các model: Product, Item, Cart, Customer, Order, OrderDetail

Item class:

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Cart class

Bước 4: Tạo các lớp DAO

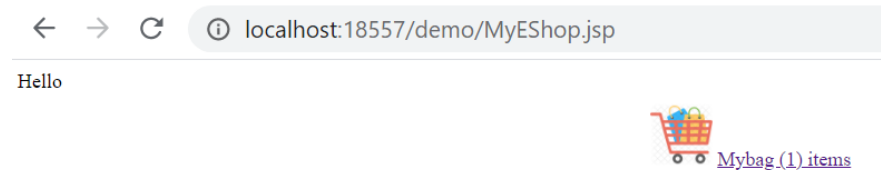
CustomerDAO class: có phương thức kiểm tra tài khoản khi nhập liệu:

public Customer getAccount(String user,String pass);

OrderDAO class để Check out (Thanh toán hàng):

Bước 5: tạo các file JSP và Servlet

Tạo jsp file liệt kê sản phẩm MyEShop.jsp :

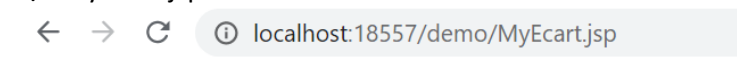


## The list of products

Enter the number of items to by:

ID	Name	Quantity	Action
1	Cocacola	100	<input type="button" value="Buy item"/>
2	Fanta	40	<input type="button" value="Buy item"/>
3	7up	200	<input type="button" value="Buy item"/>
4	Pepsi	210	<input type="button" value="Buy item"/>
5	Number one	200	<input type="button" value="Buy item"/>
6	Dr thanh	120	<input type="button" value="Buy item"/>
7	lavie	300	<input type="button" value="Buy item"/>

Tạo MyEcart.jsp



## Shopping cart online

No	Name	quantity	price	money	action
1	7up	<input type="text" value="1"/>	15,6	15,6	<input type="button" value="Return item"/>
2	Pepsi	<input type="text" value="2"/>	10,8	21,6	<input type="button" value="Return item"/>

**CLICK ME CONTINUE SHOPPING**

**Ôn lại:**

Lấy thông tin từ form: request.getParameter("name");//1 đối tượng ở form

request.getParameterValues(name);//object[]

request.getParameterNames();//lấy toàn bộ các đối tượng ở form

Truyền đối tượng giữa các trang:

- URL string:  
page1.jsp?name1=value1&name2=value2...(jsp)  
page1?name1=value1&name2=value2...(servlet)

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- `request.setAttribute("name",value);` (object)  
`request.getRequestDispatcher("file")`
- session:  
`request.getSession(true).setAttribute("name",value);`
- `<input type="hidden" name="name" value="value"/>`