

数据库实现第三周汇报

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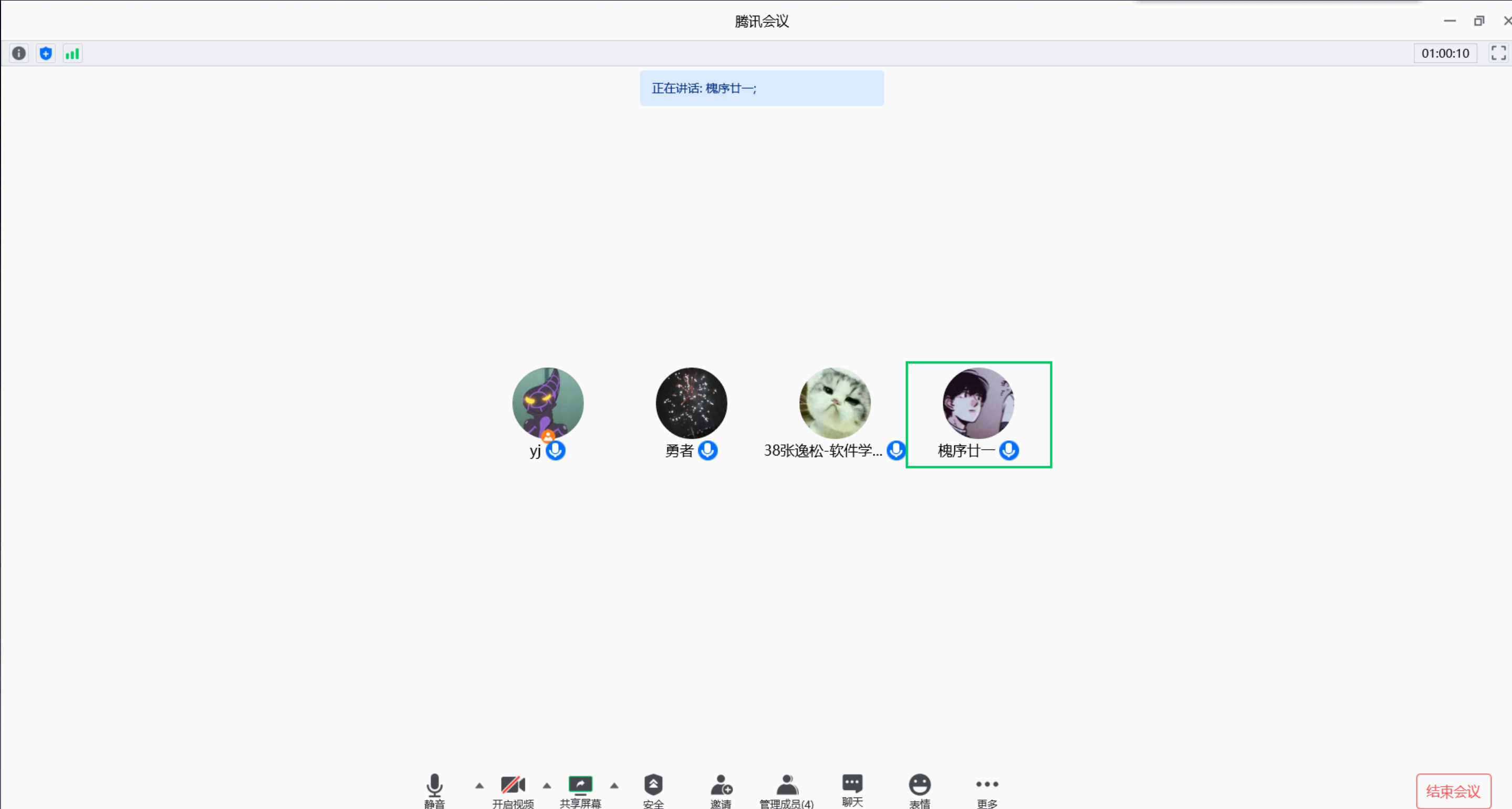
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本周工作

- 确定了数据库对象图，并搭建了数据库
- 完成了功能列表
- 完成了腾讯云服务器的部署，部署了Java环境，Mysql服务，Tomcat服务
- 实现用户注册功能

讨论记录



韩博骋

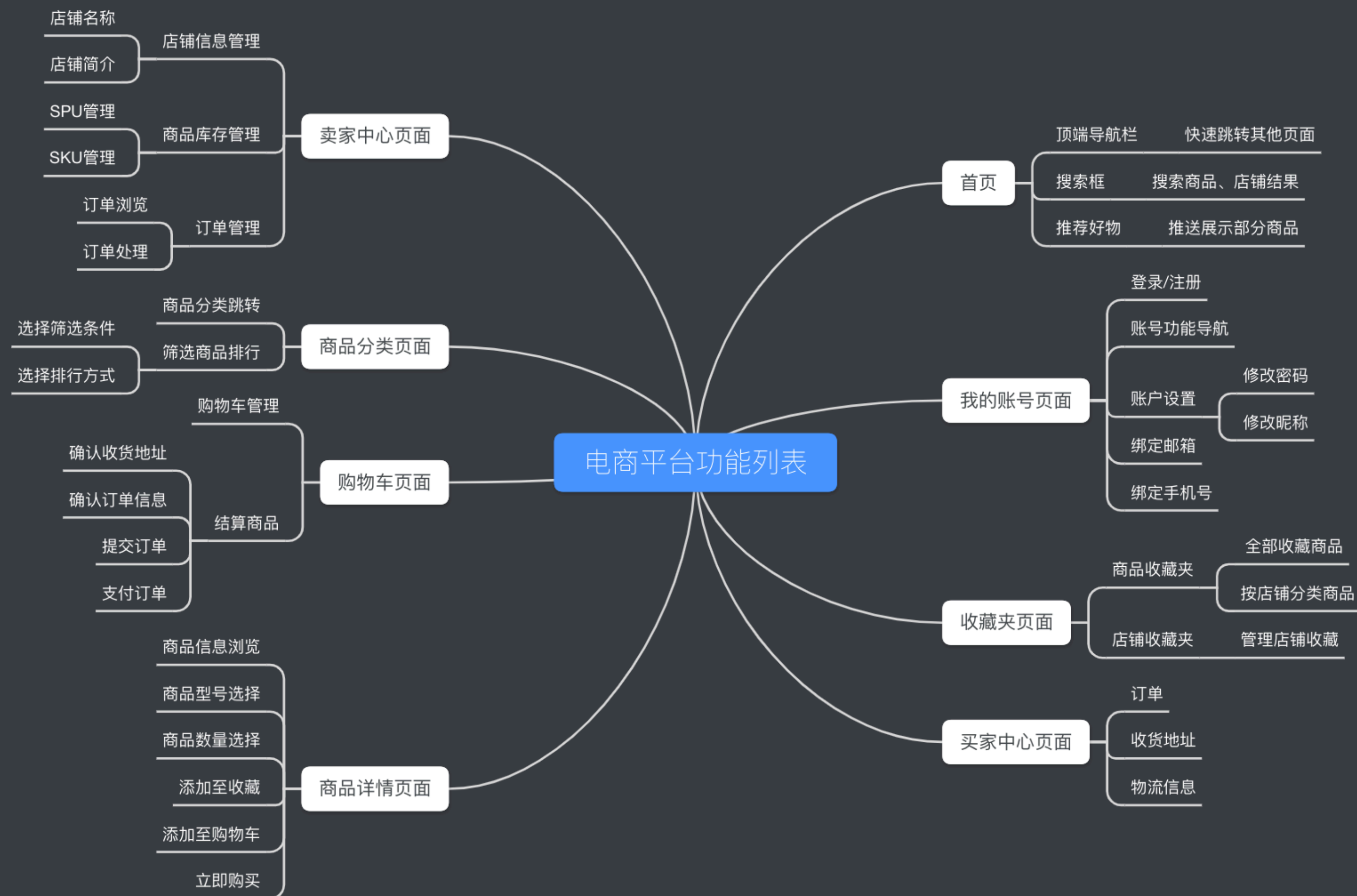
```
will not be shown, you would have to be root to see it all.)
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 127.0.0.53:53          0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:22             0.0.0.0:*               LISTEN
tcp        0      0 127.0.0.1:6012         0.0.0.0:*               LISTEN
tcp6       0      0 :::3306                :::*                    LISTEN
tcp6       0      0 :::8888                :::*                    LISTEN
udp        0      0 127.0.0.53:53          0.0.0.0:*               *
udp        0      0 172.16.0.7:68          0.0.0.0:*               *
udp        0      0 172.16.0.7:123         0.0.0.0:*               *
udp        0      0 127.0.0.1:123          0.0.0.0:*               *
udp6       0      0 fe80::5054:ff:fea6::123 :::*                    *
udp6       0      0 ::1:123                :::*                    *
```



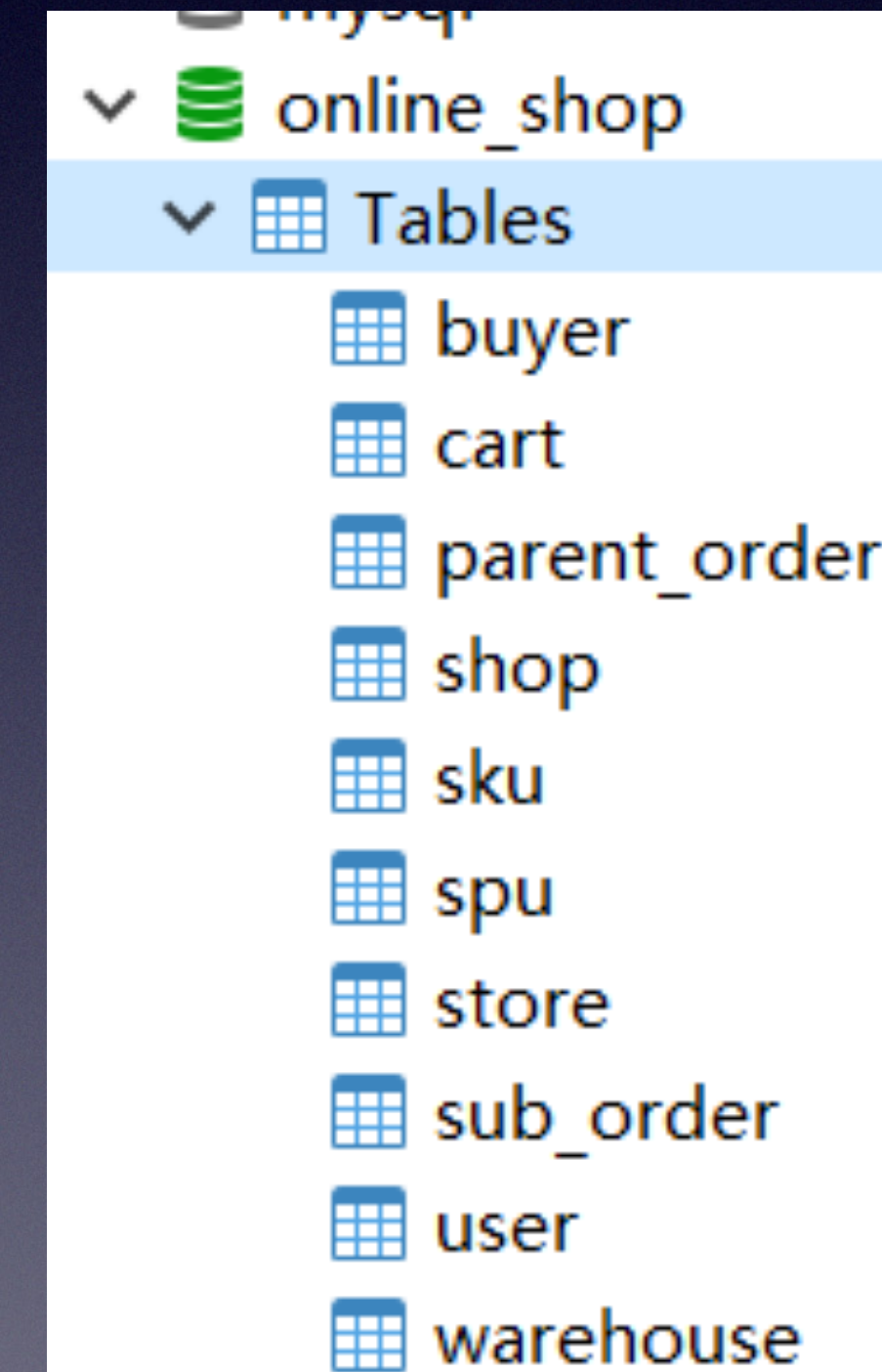
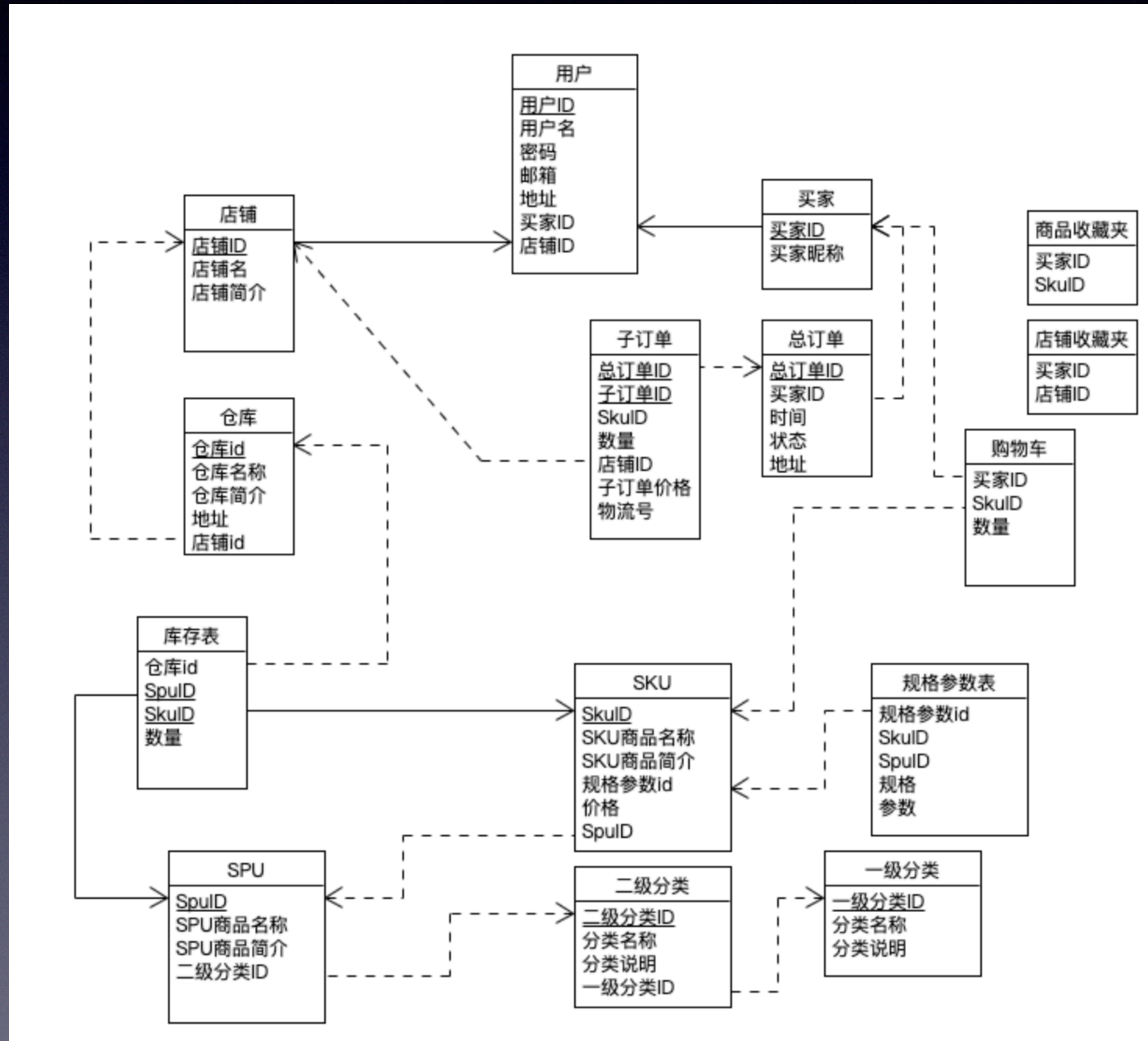
韩博骋

是不是因为ipv6的影响啊

功能列表



数据库设计并完成



服务器部署

- 服务器部署在腾讯云上，使用Ubuntu18.04
- 采取jdk14进行web编程
- 数据库管理系统使用MySQL

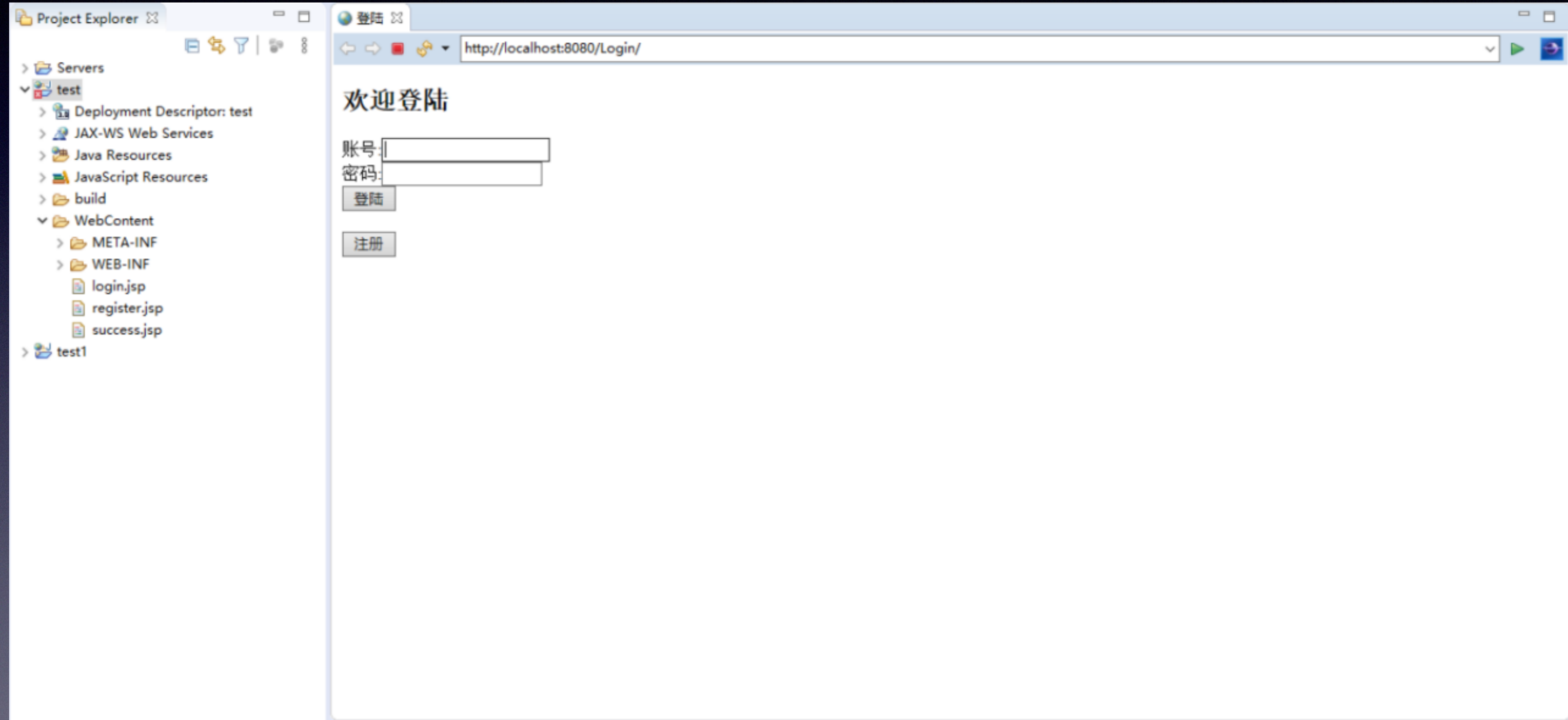
物理部署

- User PC
 - 用户通过浏览器访问，客户端与服务端通过互联网连接。
- Server
 - 系统部署在Tomcat容器上，通过jdbc与数据库链接
- DB Server
 - 运行数据库，使用MySQL

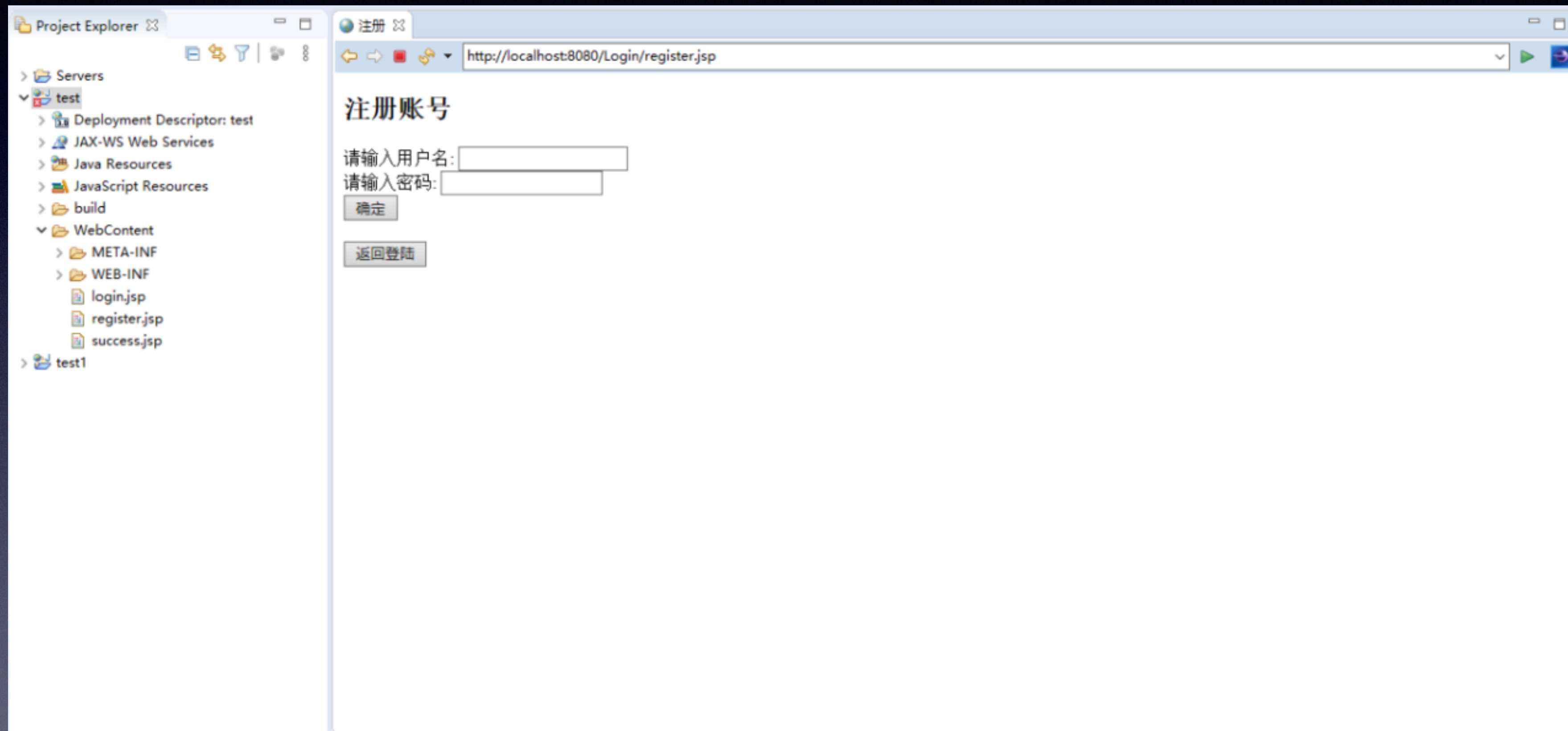
网络传输实现

- 客户端：根据不同的请求，输入请求数据，创建socket连接服务器，将数据转换为json格式，通过TCP传输至服务器
- 服务器：开启serverSocket，如果监听到连接请求，创建socket和新的进程。在新的进程里，接受client端传输的数据，转换为json，根据不同的op执行不同的处理工作。

功能展示



功能展示



网络传输展示

The image displays two IDE windows side-by-side, illustrating a network communication process. The left window, titled 'Network_Client_register', shows the client's execution flow: it prompts for a register name and password, and then displays the message 'Msg From Server: Connection is built'. The right window, titled 'Network_Server_register', shows the server's execution flow: it receives the data and displays 'new connection is built', 'register: name:2', and 'register: password:2'. Below these windows, a terminal window shows the command to run the client program: `java Network_Client_register.java`. The terminal output matches the IDE's output, showing the client's prompts and the server's response.

```
File Edit View Navigate Code Analyze Refactor Build Run I NetworkRegisterTe: - □ ×
Network_Client_register
String rec = new String(buf, 0, len);
String[] receiveMsg = rec.split(",");

Run: Network_Client_register ×
"C:\Program Files\Java\jdk-14.0.1\bin\java.exe" "-javaagent:C:\Program Fi
This is client
Please input Register name
Please input Register password
Msg From Server: Connection is built

1: Project
2: Favorites
Z: Structure
Event Log
All files are up-to-date (a minute ago)
8:1 CRLF UTF-8 4 spaces

C:\WINDOWS\system32\cmd.exe
C:\Users\12425\Desktop\参考-eleshop\我的\src>java Network_Client_register.java
This is client
Please input Register name
2
Please input Register password
2
Msg From Server: Connection is built
Msg From Server: Server has received the RegisterMsg
Account is registered successfully
C:\Users\12425\Desktop\参考-eleshop\我的\src>
```

```
File Edit View Navigate Code Analyze Refactor Build Run I
Network_Server_register
String done = "Server has receiv

Run: Network_Server_register ×
"C:\Program Files\Java\jdk-14.0.1\bin\java.
This is server
new connection is built
register: name:2
register: password:2
*****
new connection is built
register: name:1
register: password:1
*****
```


下周安排

- 完善后端代码
- 完善数据库设计
- 实现前端页面
- 商家进货
- 用户充值
- 订单交易
- 商家页面
- 用户页面
- 商品页面
- 交易界面

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