**校园二手交易平台**

Campus Second-hand

Trading Platform

分析模型文档V1.0

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更新

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| 日期 | 更新者 | 更新内容 | 版本号 |
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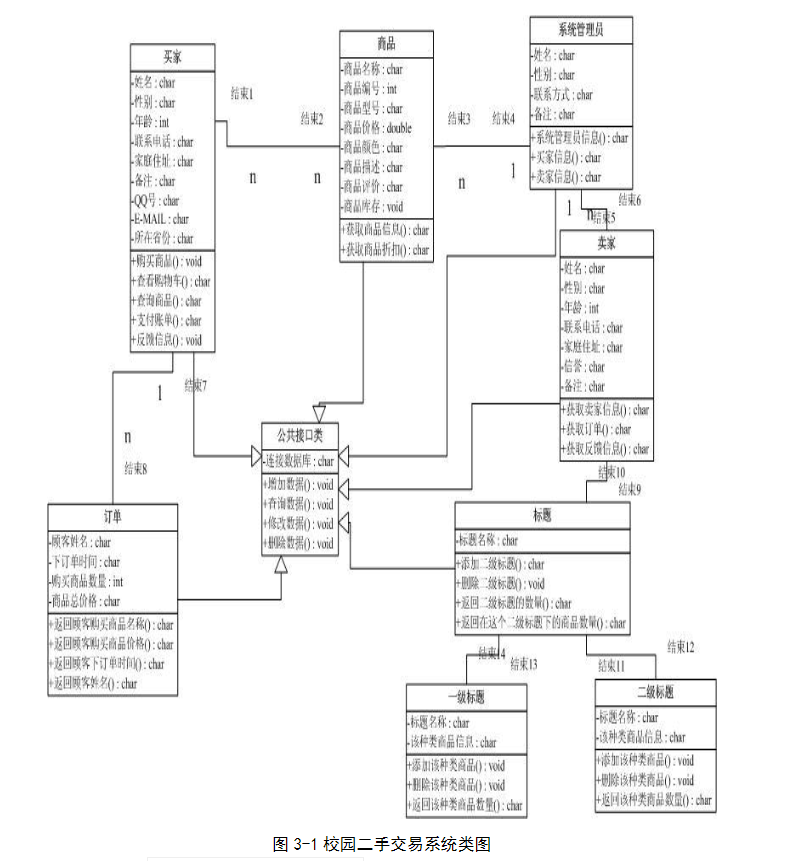
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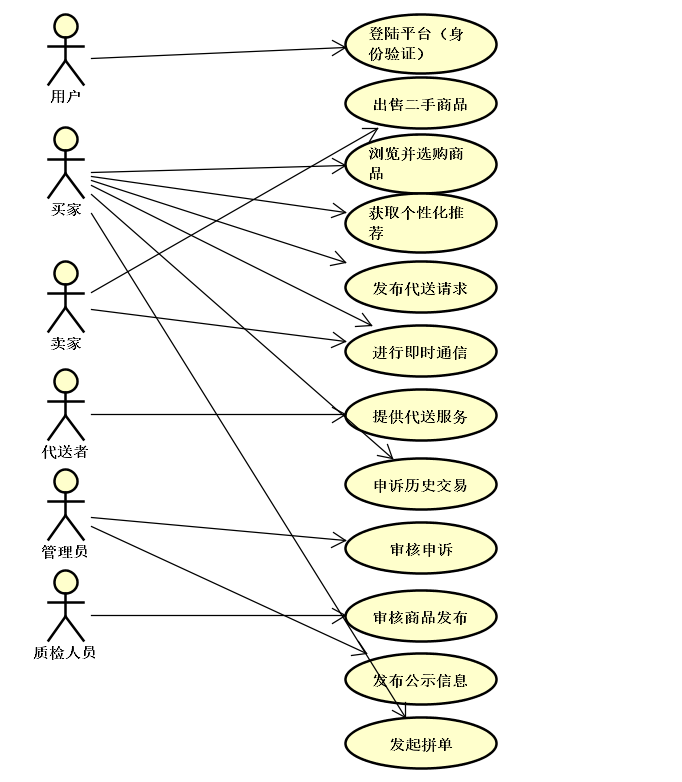
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## **1.**概念类图



## **2.** 用例图

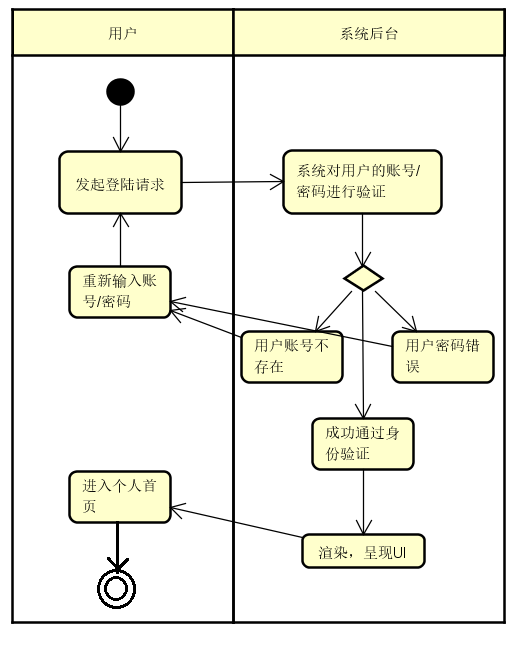


## **3.**详细用例说明

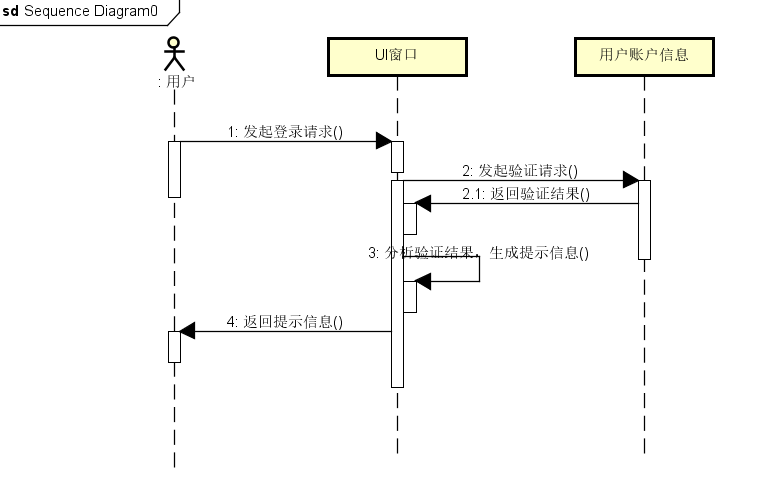
根据《就诊信息一体化系统-用例文档》，对各用例进行面向对象分析建模后结果如下：

## 3.1用户登录平台（身份验证）

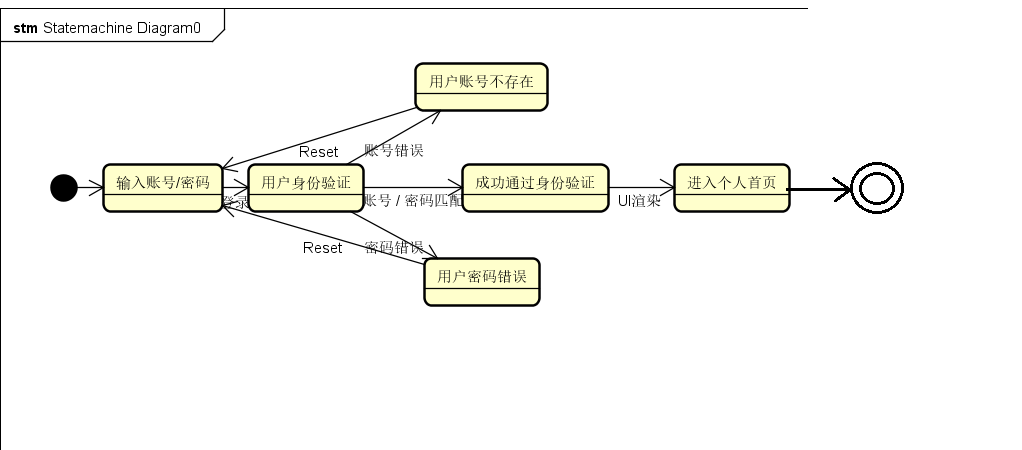
活动图



系统顺序图

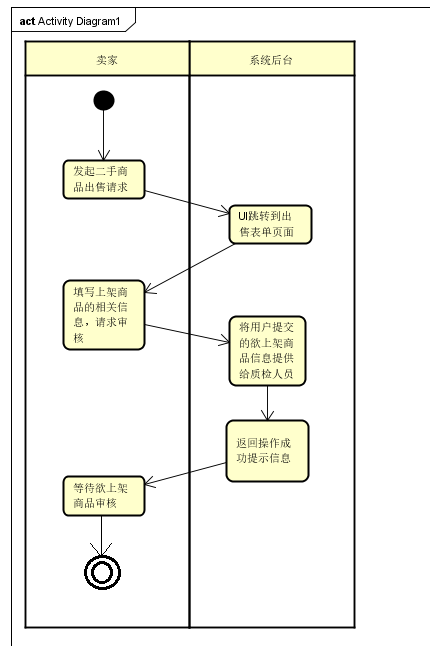


状态图

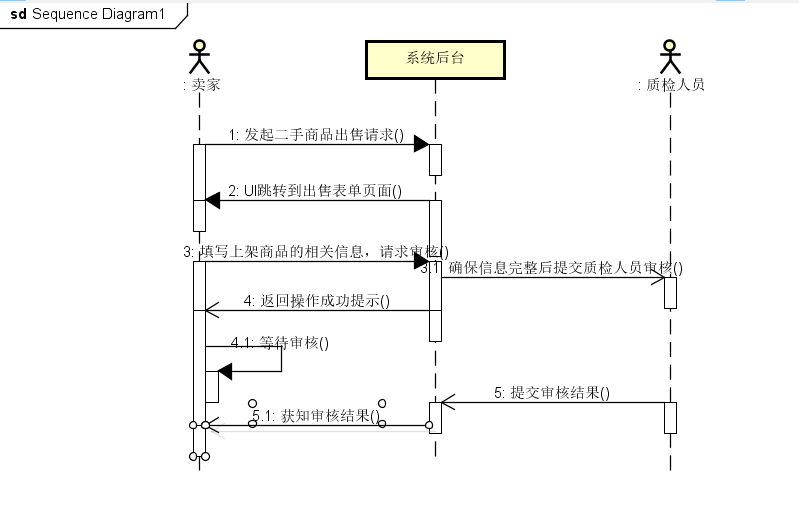


## 3.2卖家出售二手商品

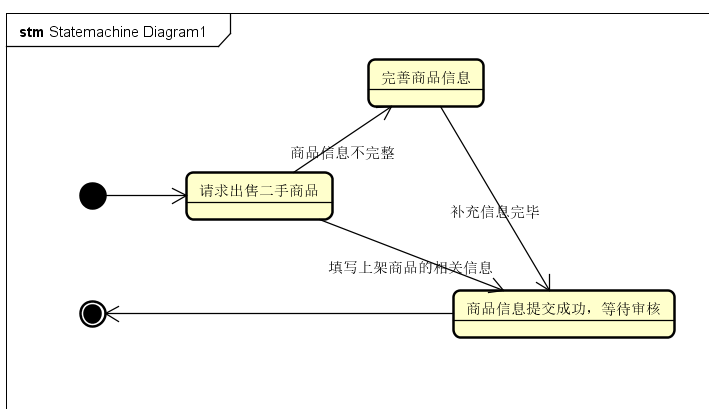
活动图



系统顺序图

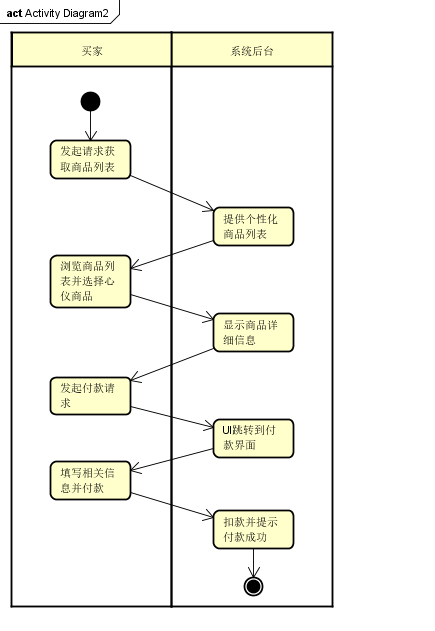


状态图

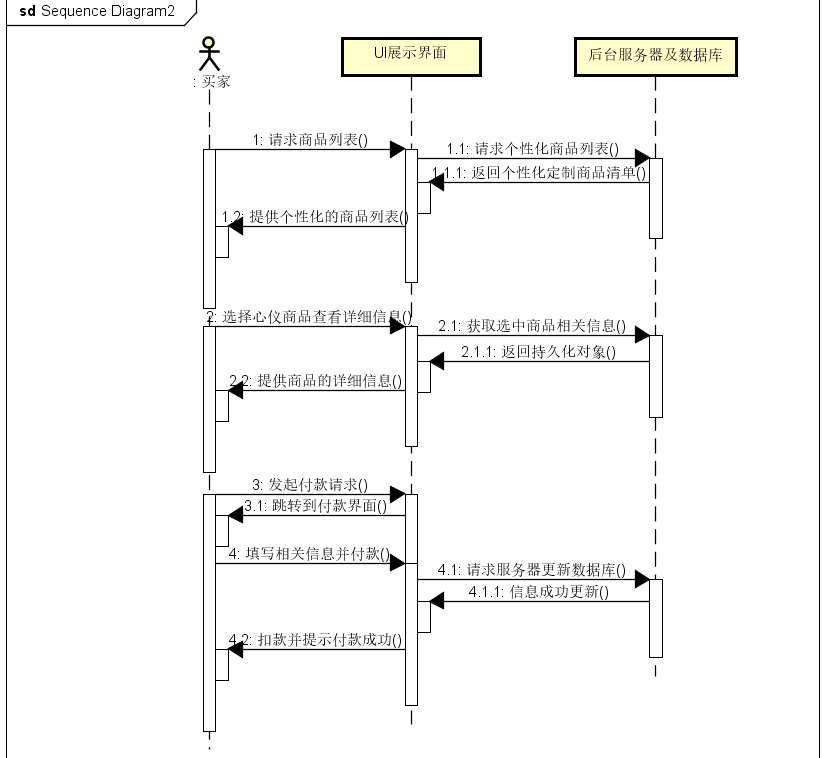


## 3.3买家浏览并选购商品

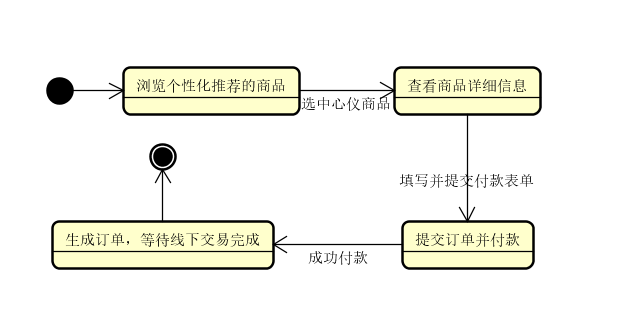
活动图



系统顺序图

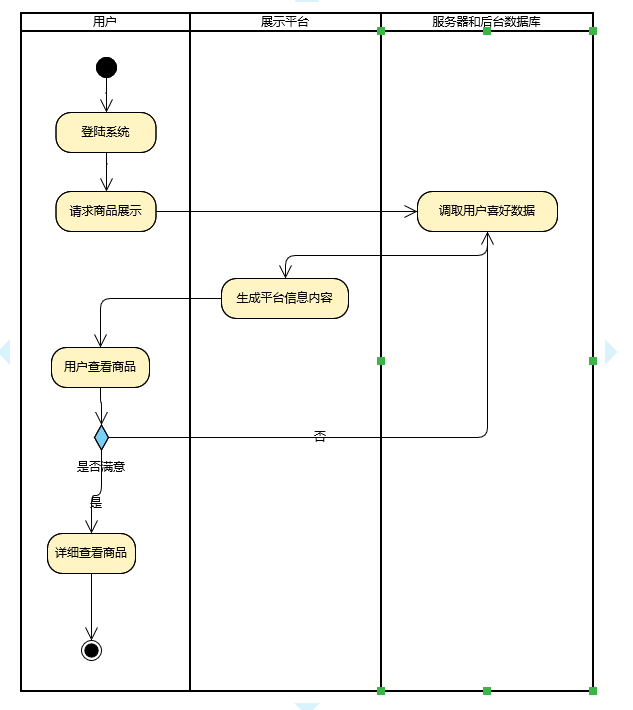


状态图

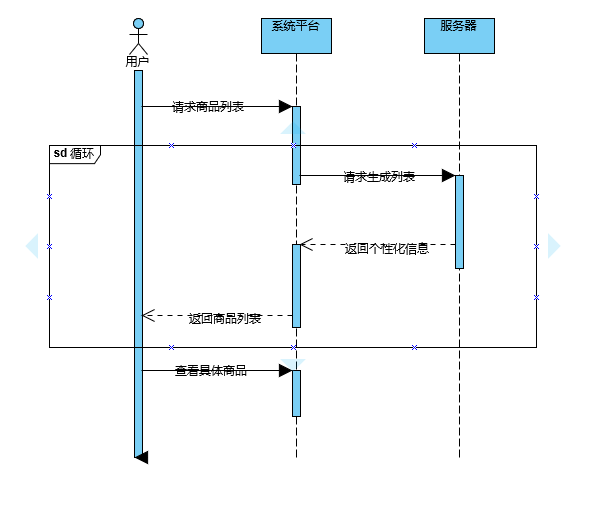


## 3.4买家可以通过系统获取个性化推荐

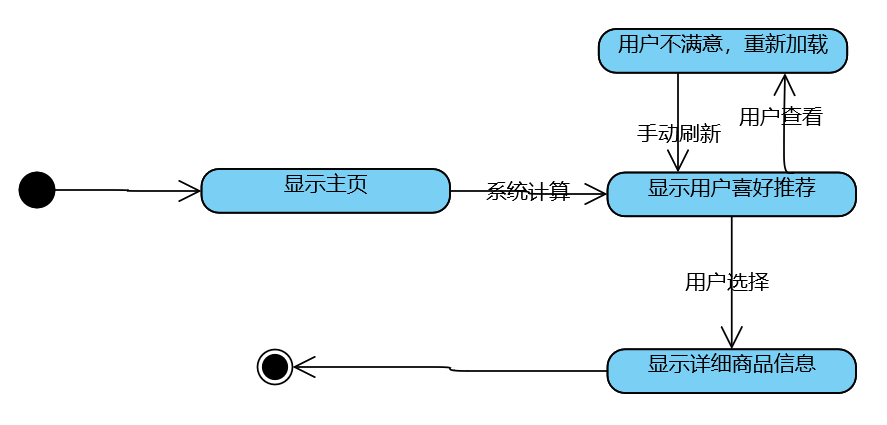
活动图



系统顺序图

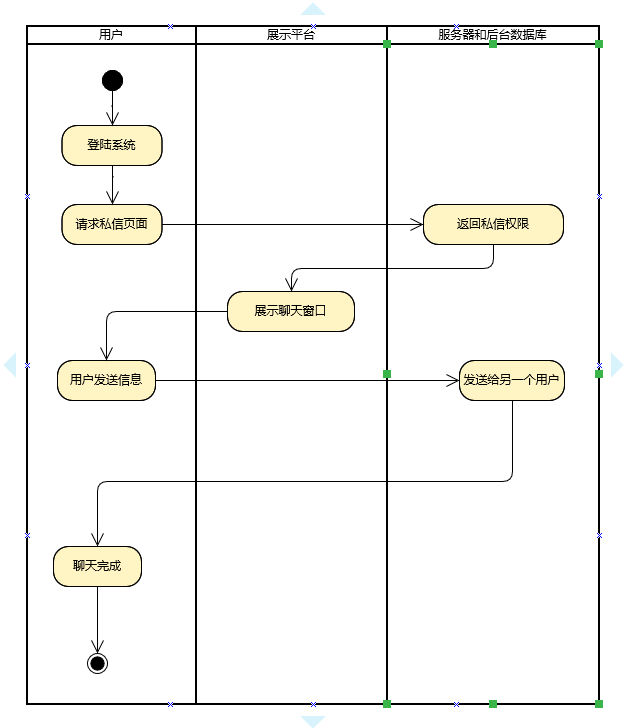


状态图

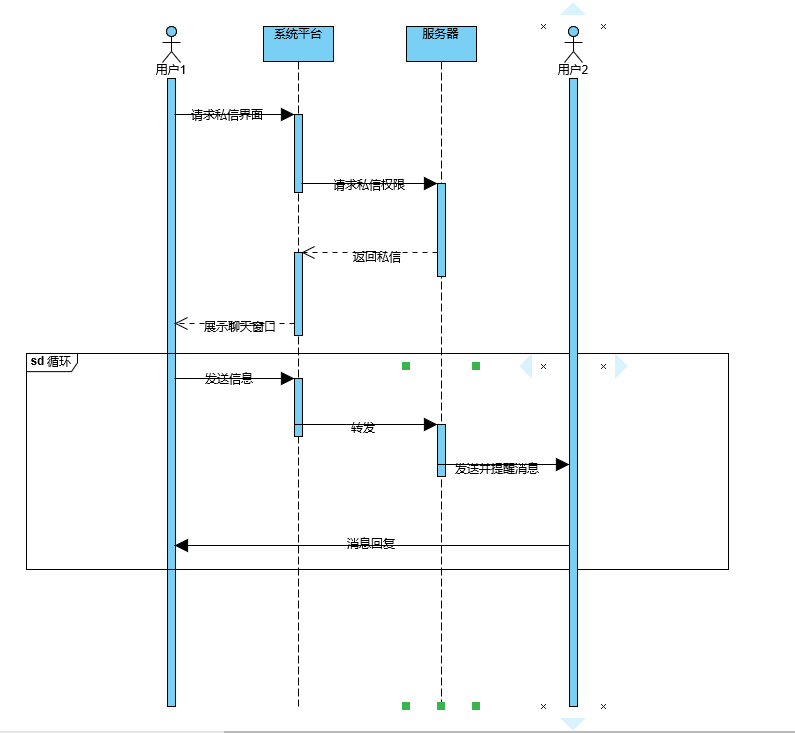


## 3.5买卖双方可以通过系统进行即时通信

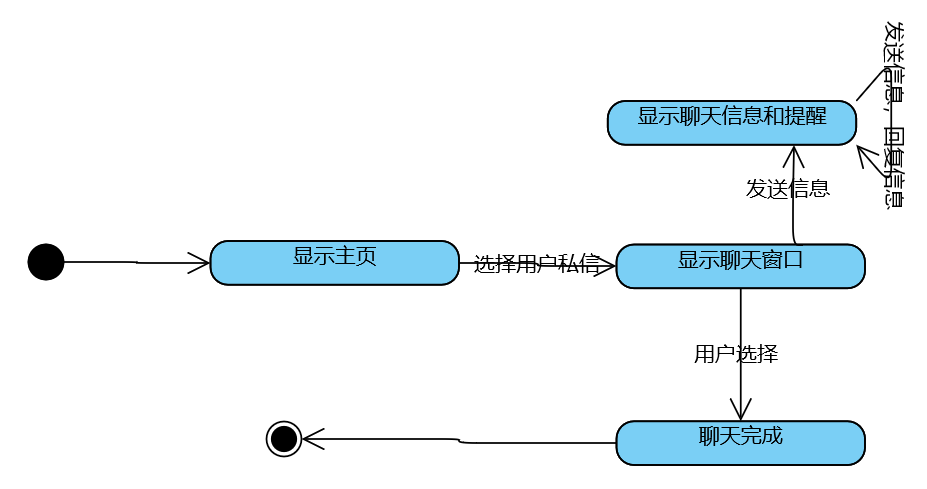
活动图



系统顺序图

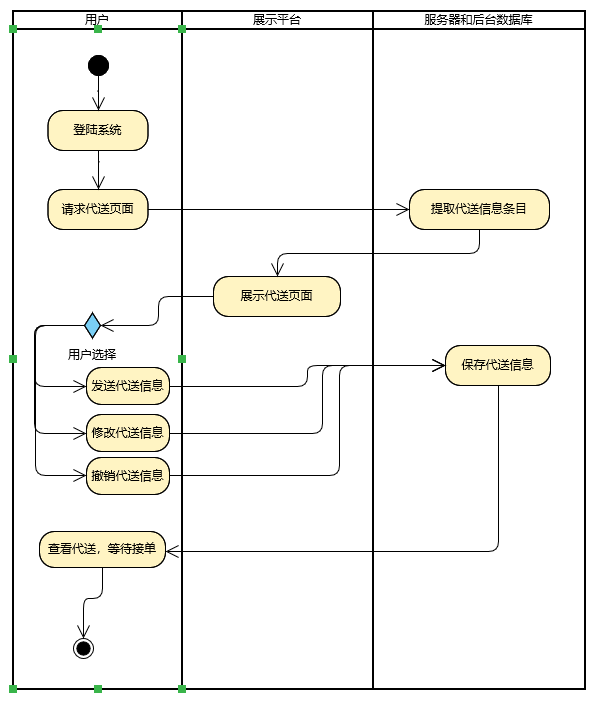


状态图

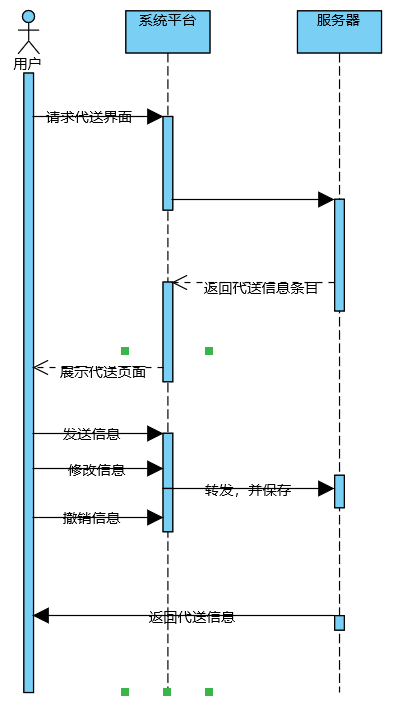


## 3.6买家可以通过系统发布代送请求

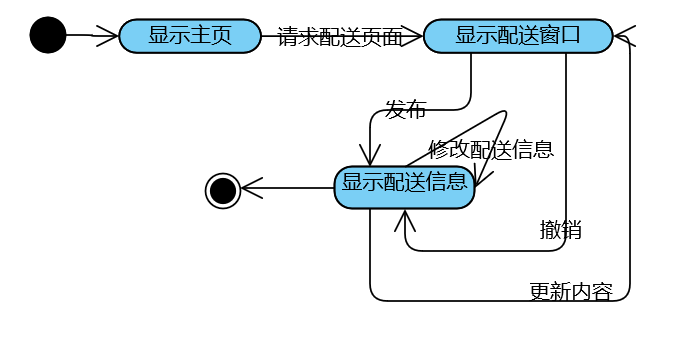
活动图



系统顺序图

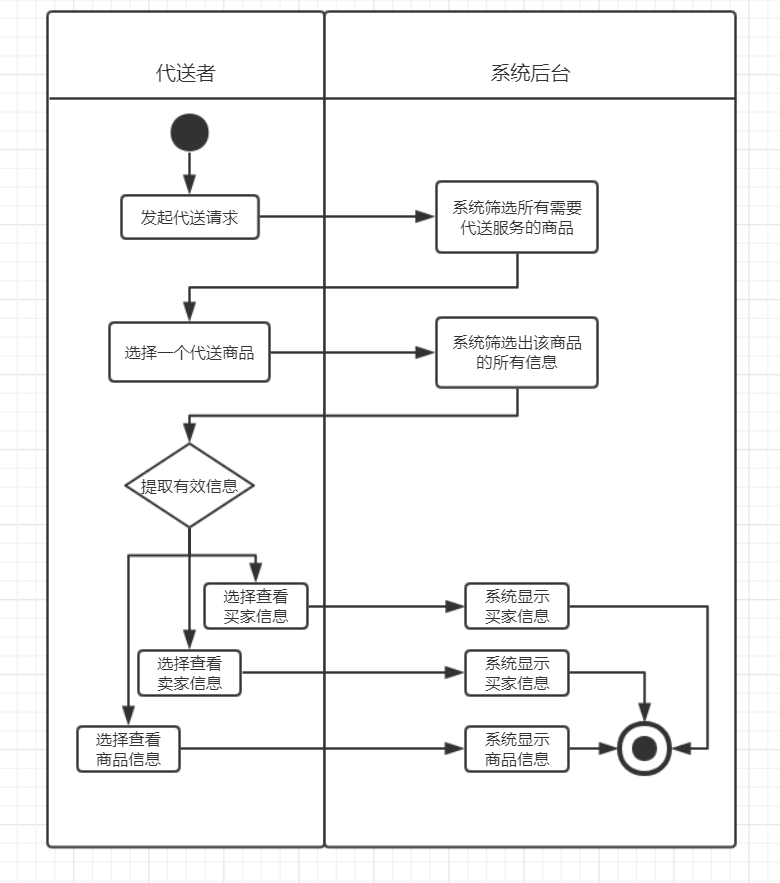


状态图

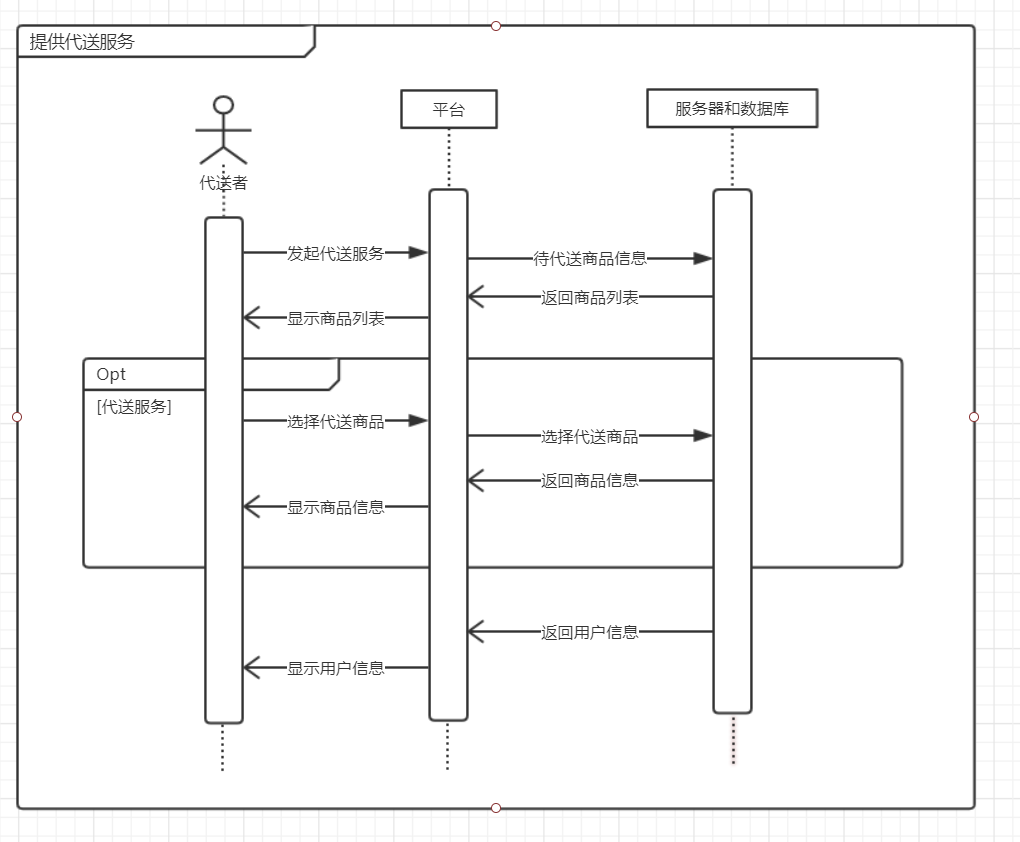


## 3.7 提供代送服务

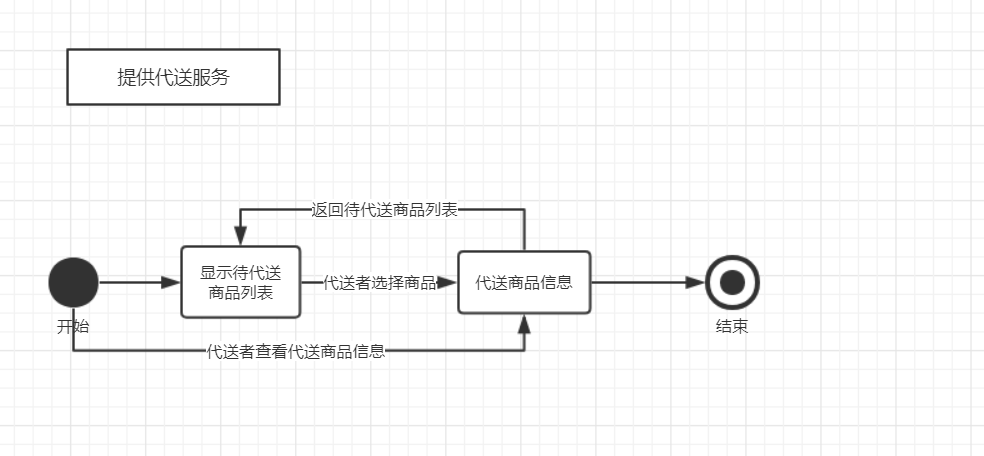
#### 活动图



#### 顺序图

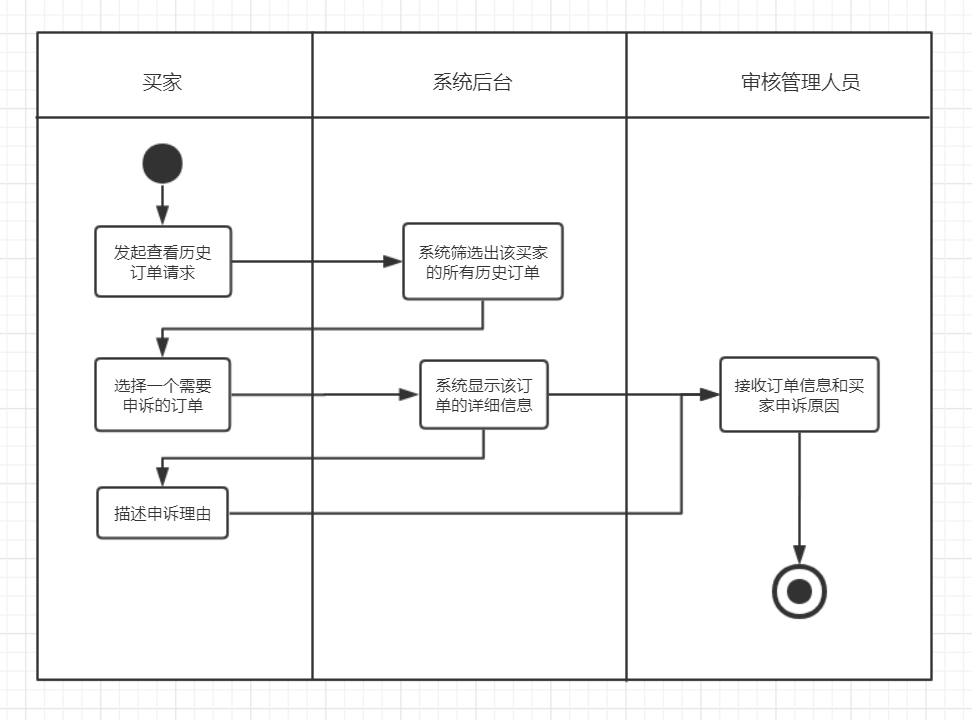


#### 状态图

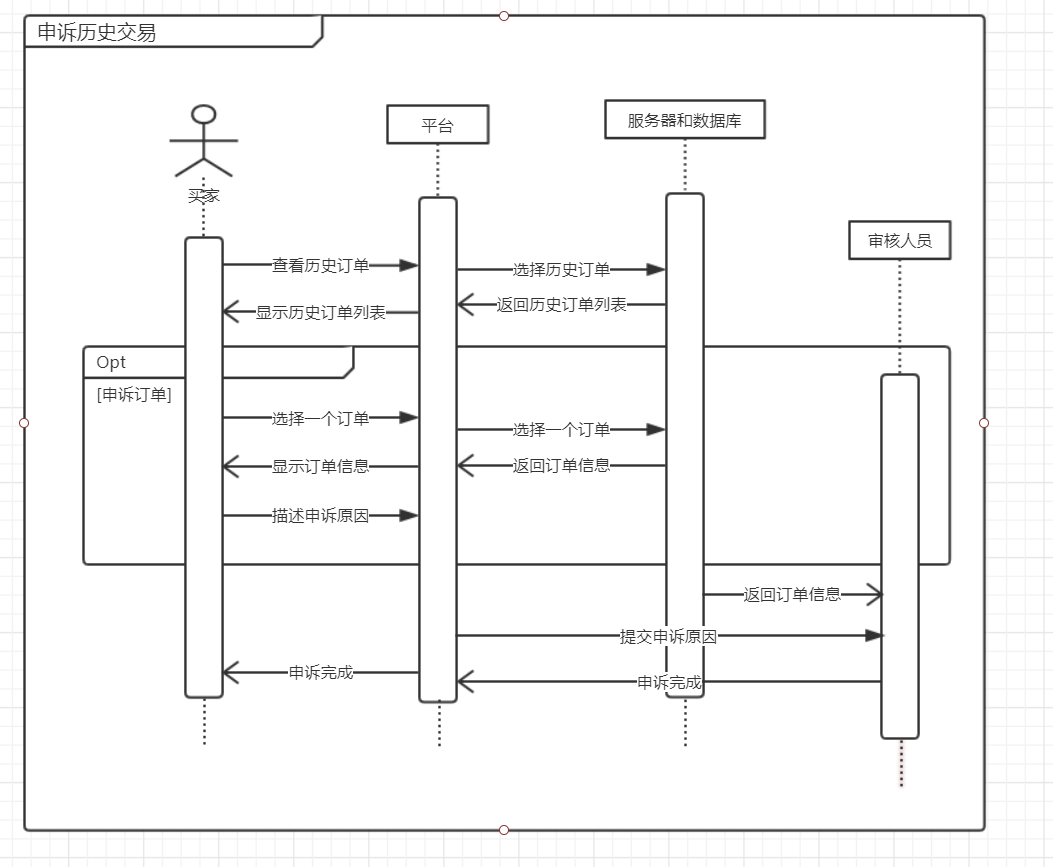


## 3.8 申诉历史交易

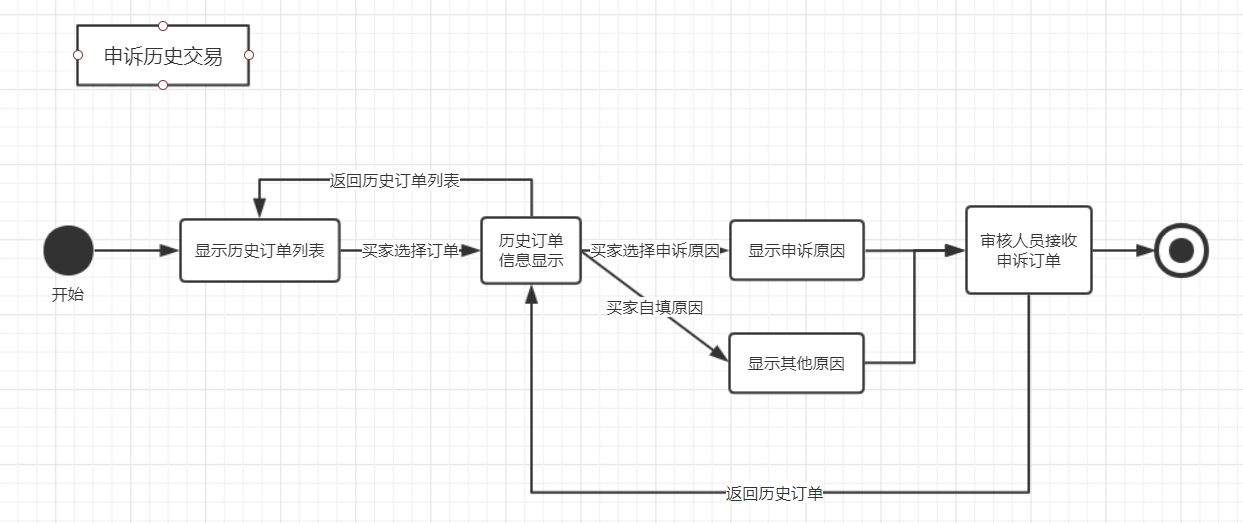
#### 活动图



#### 顺序图

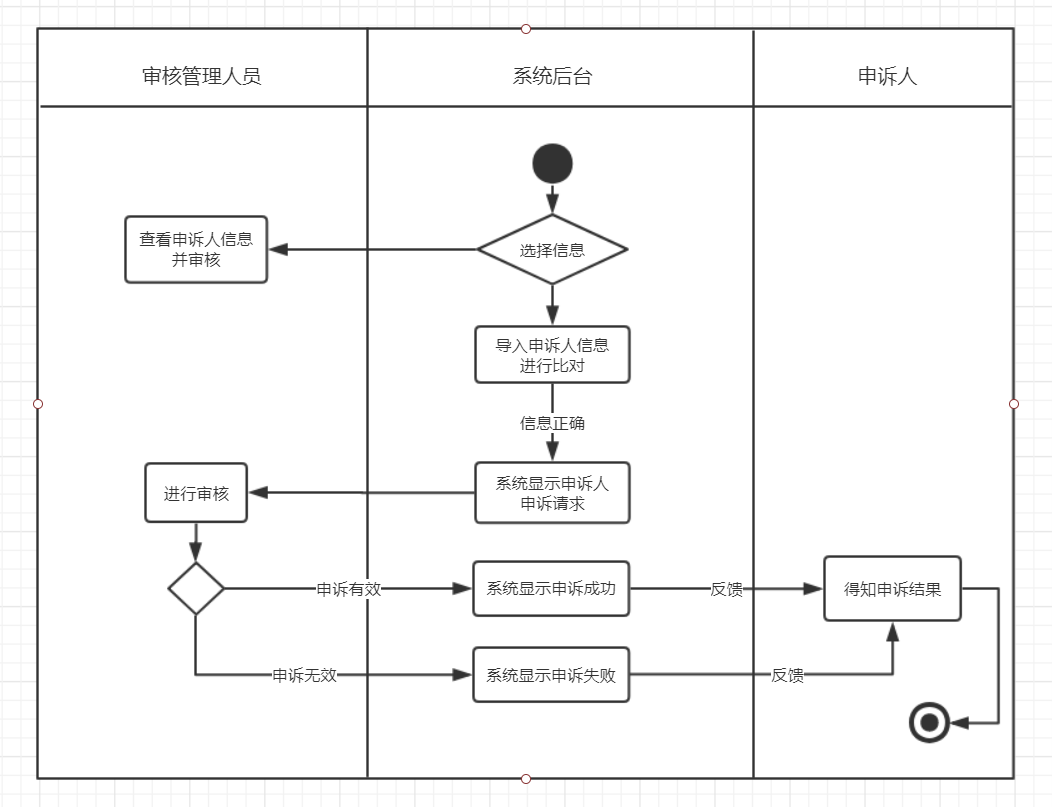


#### 状态图

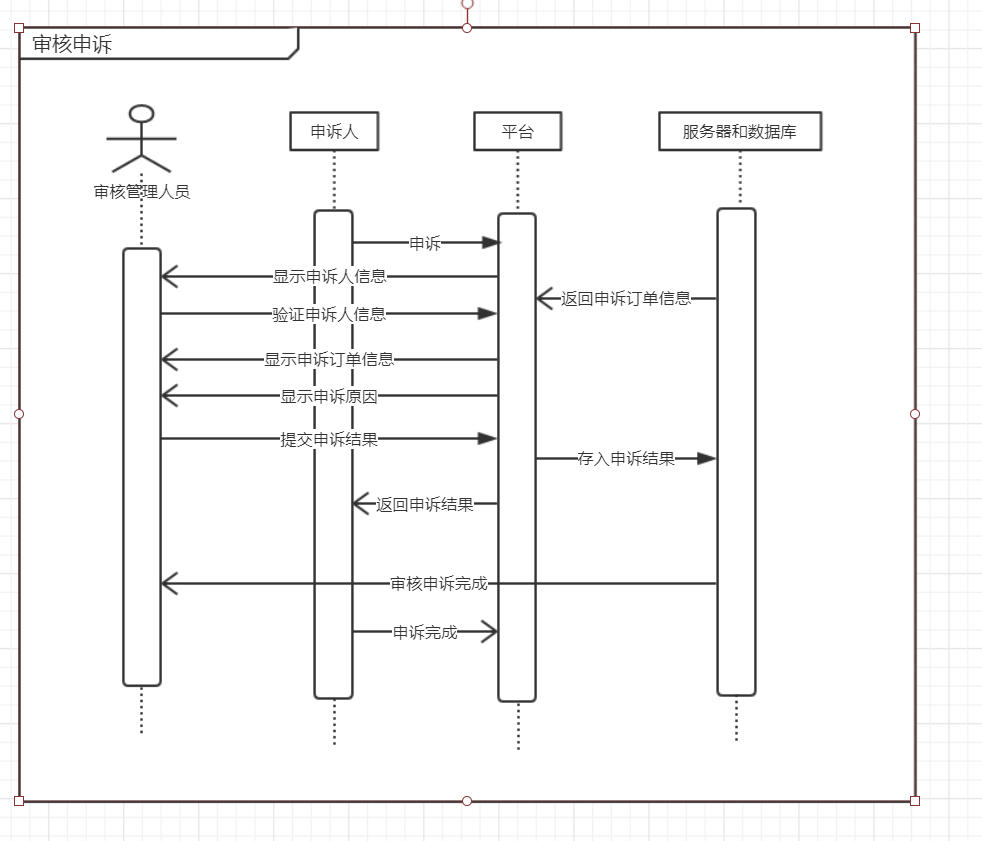


## 3.9 审核申诉

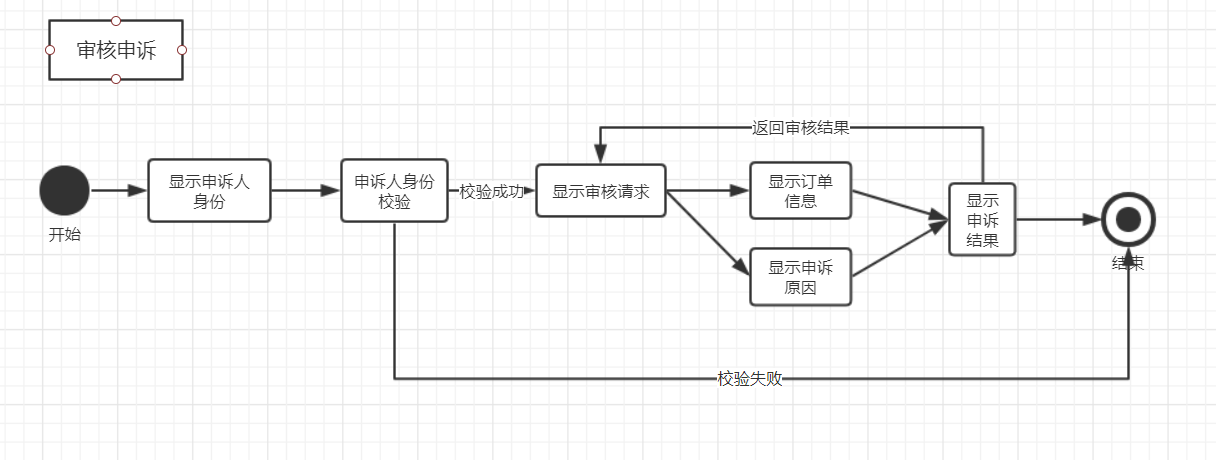
#### 活动图



#### 顺序图

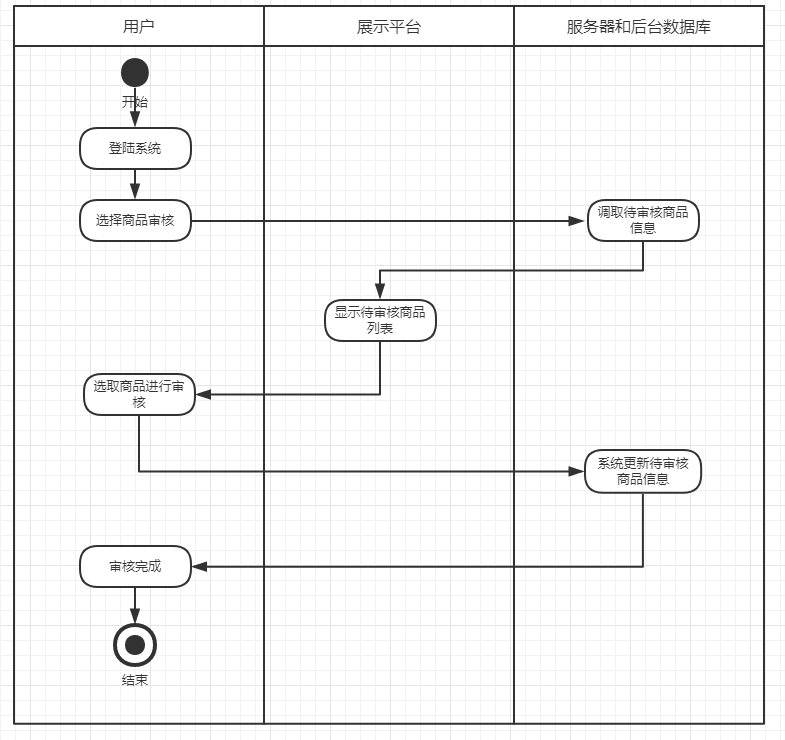


#### 状态图

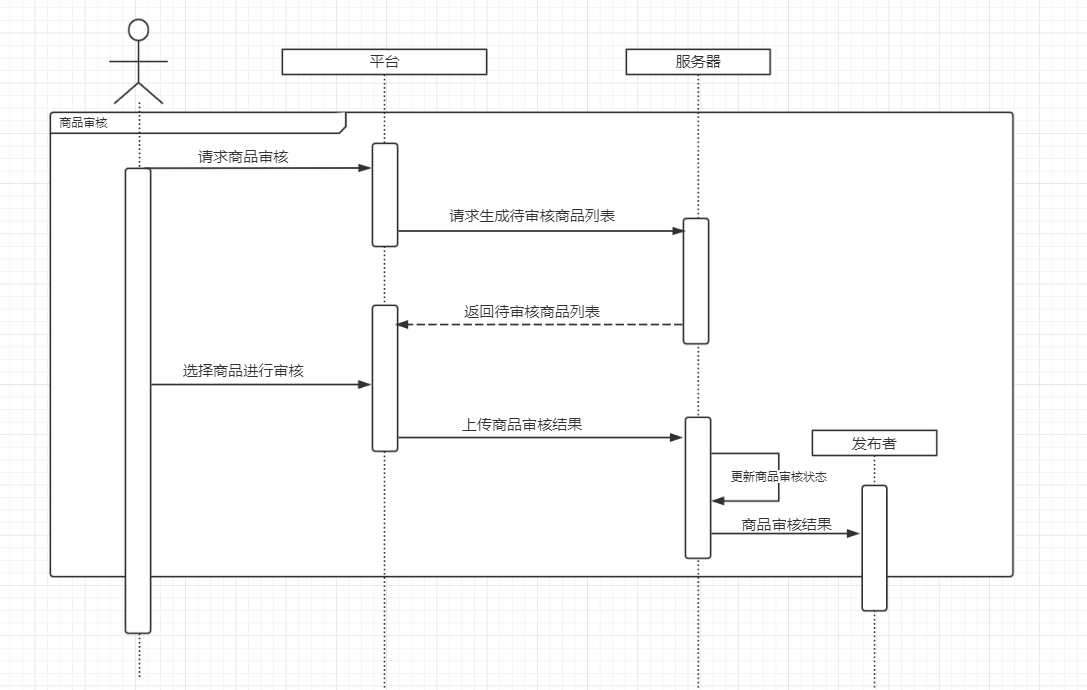


## 3.10审核商品发布

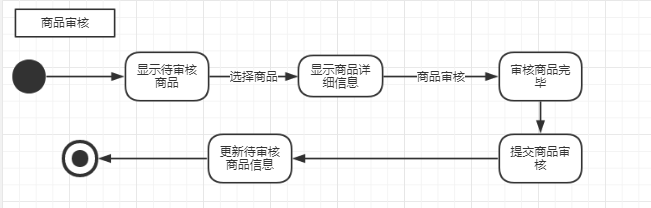
活动图



系统顺序图

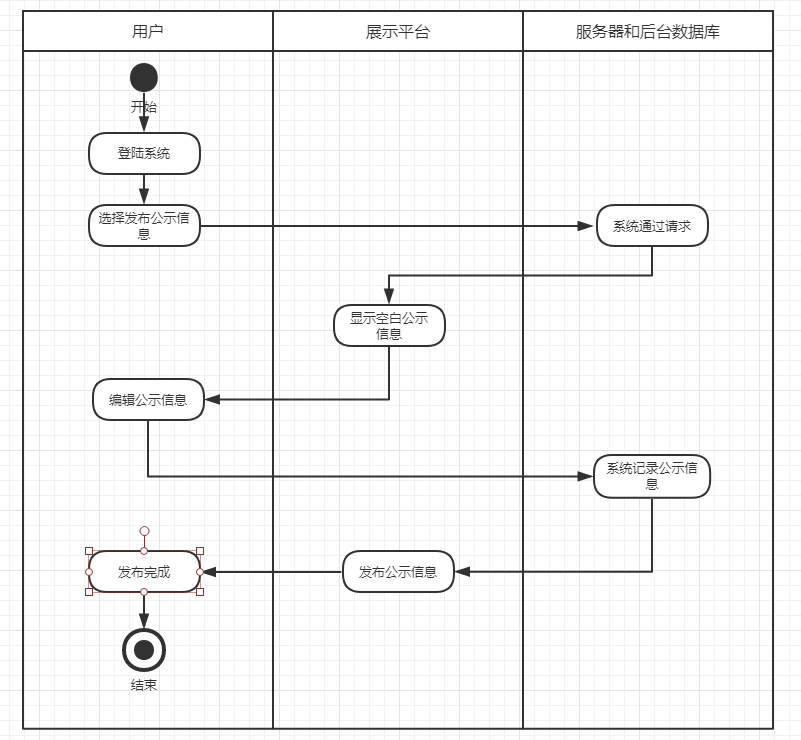


状态图

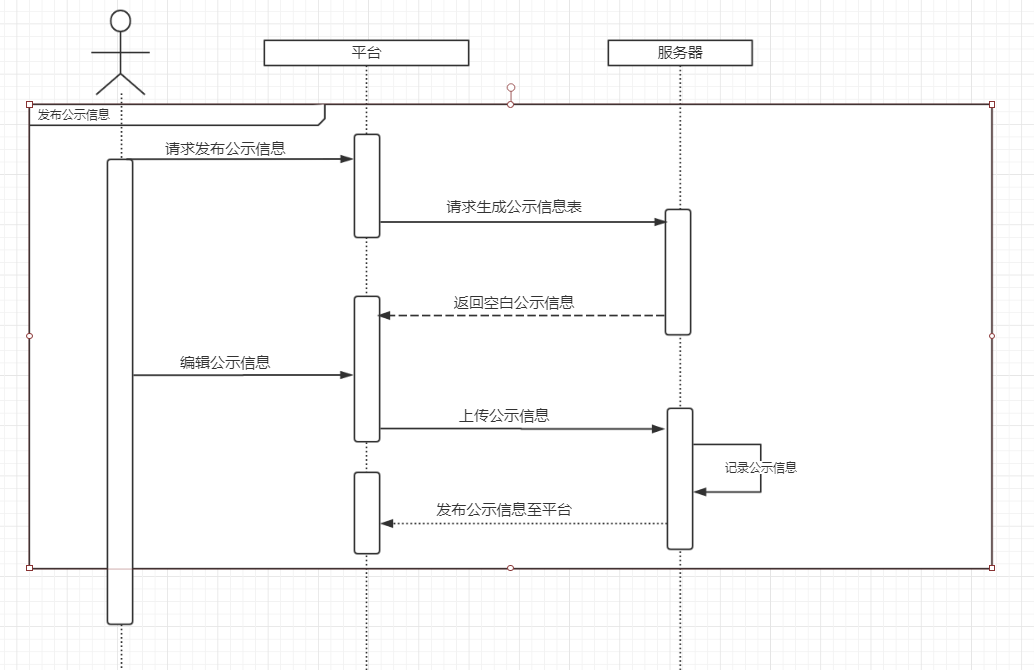


## 3.11发布公示信息

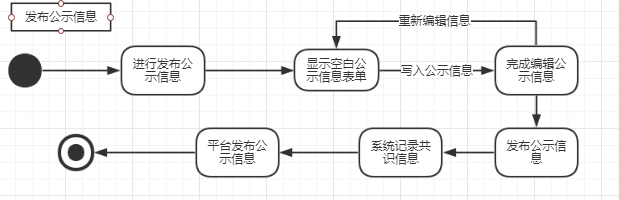
活动图



系统顺序图

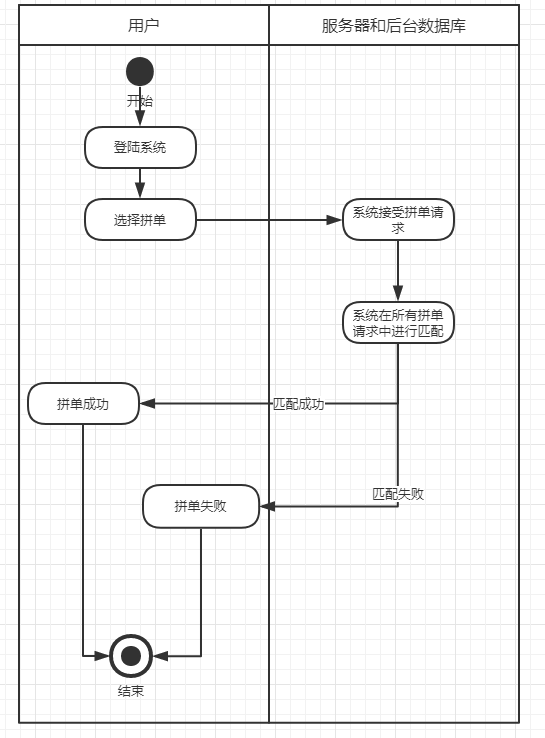


状态图

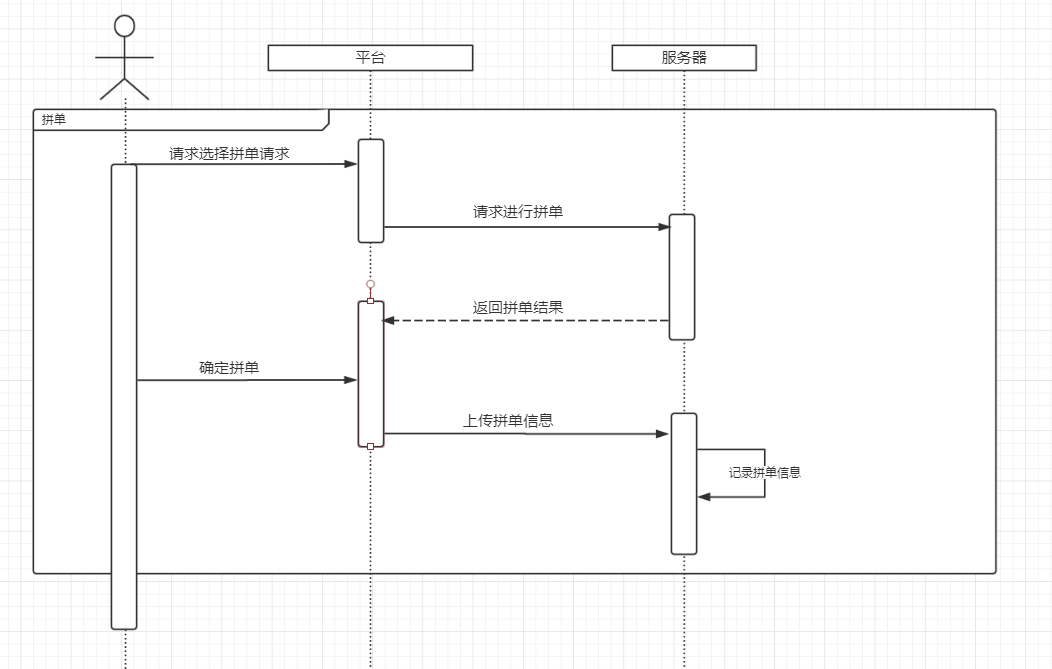


## 3.12 拼单

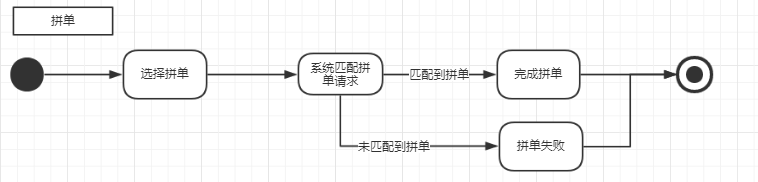
活动图



系统顺序图



状态图



## 

## **4.**对象约束语言 **OCL**

Context qualityInspector::examine():List

Pre: qualityInspector.isLogedin()=true

Context Administrator::announcement(content:Content,admin:admin):announcement

Pre: Administrator.isLogedin()=true and announcement.empty()=true

Post: CommodityList.nextGood().viewCommodityList->size() = CommodityList.nextGood().

viewCommodityList->size()@pre+1

Context DispatcherList:: nextDispatcher ():Dispatcher

Pre: DispatcherList->size()>0

Post:self.dispatchers->select(d:Dispatcher|d.waitingDispatchersList->size()=max(self.dispatchers.waitingDispatchersList->size())).includes(dispatcher) and result=dispatcher

Context m:SystemManager inv:

m.instance.count=1

Context CommodityManager inv:

UserList.users->forall(user:User|).manager.instance.count =1