功能模型

课程：系统分析与设计

课题：互联网电影售票系统

专业：2014 级数字媒体技术

组名：free to play

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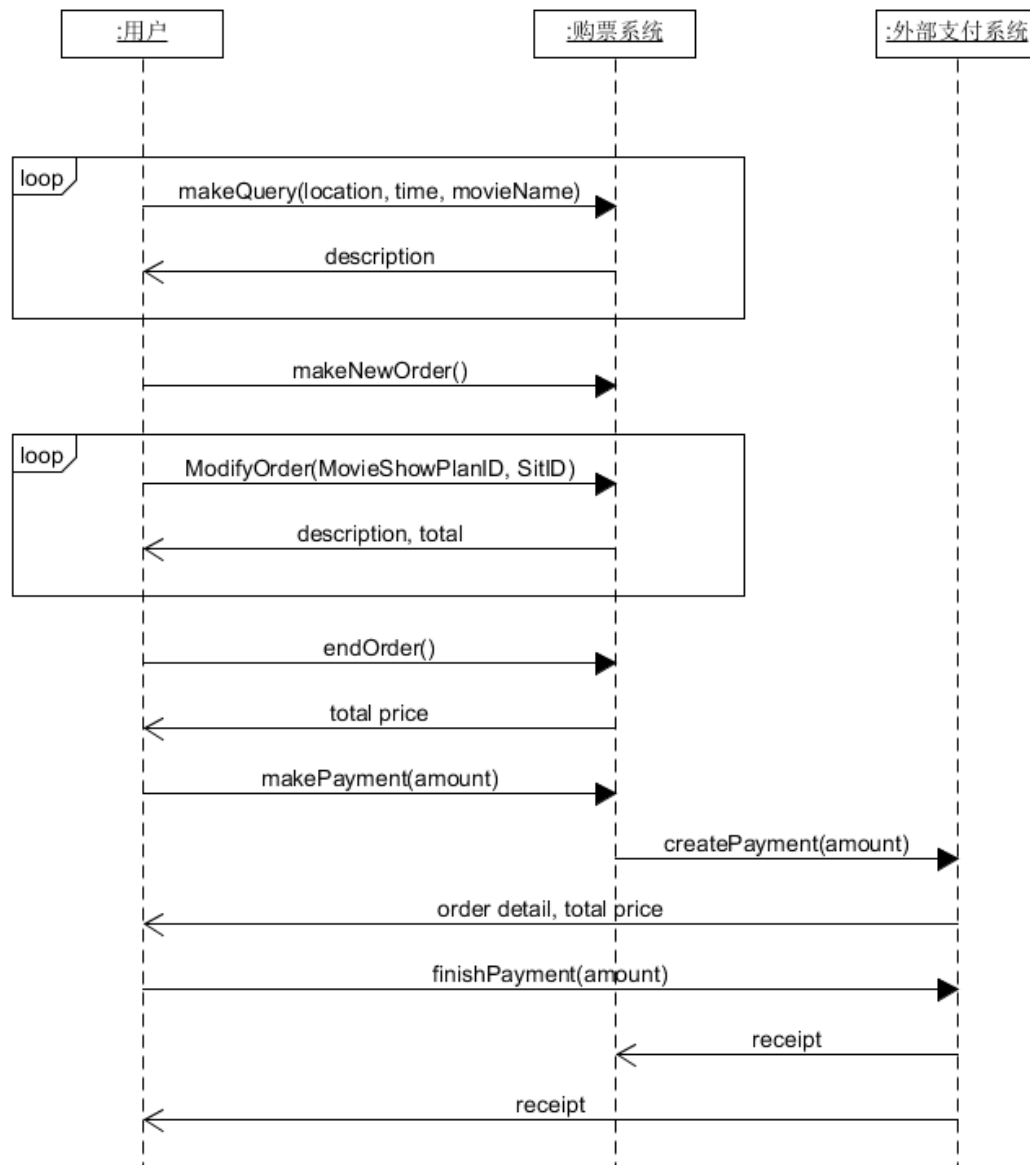
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版本更新表

版本	更新时间	更新人	主要更新内容
1	2017.5.7	汪凯威	添加了功能模型图和操作契约
2			
3			

一、Ticket function model

二、Operation contracts

Contract CO1: makeQuery

- ○ Operation: makeQuery(location, time, movieName)
- ○ Cross References: Use Cases: Target Query
- ○ Preconditions: None
- ○ Postconditions: None

Contract CO2: makeNewOrder

- ○ Operation: makeNewOrder ()
- ○ Cross References: Use Cases: Create Order
- ○ Preconditions: None
- ○ Postconditions:
    - ◆ An Order instance o was created.
    - ◆ o was associated with a User.
    - ◆ Attributes of o were initialized.

Contract CO3: modifyOrder

- ○ Operation: modifyOrder (movieShowPlanID, sitID)
- ○ Cross References: Use Cases: Change Order
- ○ Preconditions: There is an Order.
- ○ Postconditions:
    - ◆ Modified properties of o.
    - ◆ o was associated with movieShowPlan and sit.

Contract CO4: endOrder

- ○ Operation: endOrder ()
- ○ Cross References: Use Cases: Confirm Order
- ○ Preconditions: There is an Order.
- ○ Postconditions:
    - ◆ Order.isComplete became true.

Contract CO5: makePayment

- ○ Operation: makePayment (amount)
- ○ Cross References: Use Cases: Payment

○ Preconditions: There is an Order confirmed.

○ Postconditions:

◆ Order.isPay became true.