2018级 OOAD 月考I 2020.10.20

1. Briefly explain following concepts or questions (5 points each)

1、why do we need to find concept classes during OOAD process?

2、what is Domain model？

3、what is Low Representation Gap？

4、why do we need to find Actors as the first step during analysis?

5、what are the UP 4 Phases?

6、what is Polymorphism?

7、what is Responsibility-driven-design?

8、how do you think about Waterfall model in development process?

1. According to following problem description，draw a domain model：

1、draw the domain model with UML class notation without operation （30）

2、draw the domain model again with boundary-entity-control class notation(20)

3、describe 2 classes with CRC notation . (10)

Our problem domain is an information system for a video rental store(光碟租赁店). Simplifying assumptions and details:

1. It is a stand-alone store, not part of a larger organization.
2. Rents only videos, not computer games or other items.
3. A “video” can be in any medium: tape, DVD, and so on.
4. The rental charge may vary by medium. For example, DVD rentals are more expensive than tapes.
5. The store does not sell anything. For example, there are no sales of videos or food.
6. All transactions are rentals.
7. he input medium by which membership and video rentals are captured is not important.

8．Cash payments or credit card\ WeChat \zhifubao ,anything like that

9. On completion of a rental, the customer receives a transaction report with ‘typical’ information on—use your judgement.

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