

U6502 - 00AD

①

UNIT TEST-II

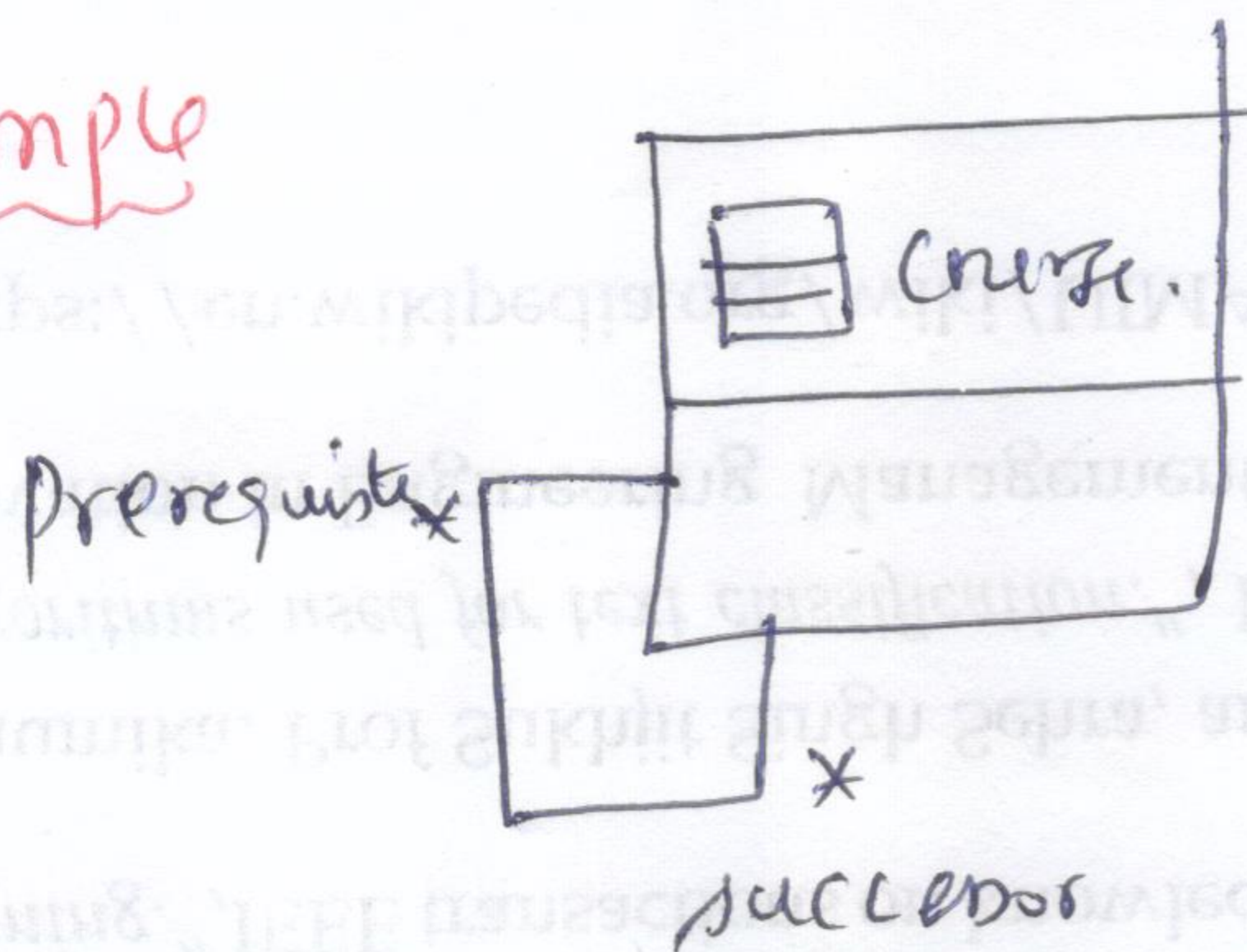
ANSWER KEY

Part - A

① Reflexive associations:

Reflexive association is an association from a class to itself

Example



Two types:

- ① Symmetric Reflexive associations
- ② Asymmetric Reflexive associations

② System Sequence diagram

System Sequence diagram is a sequence diagram that shows, for a particular scenario of use case, the events that external actors generate, their order, and possible inter system events.



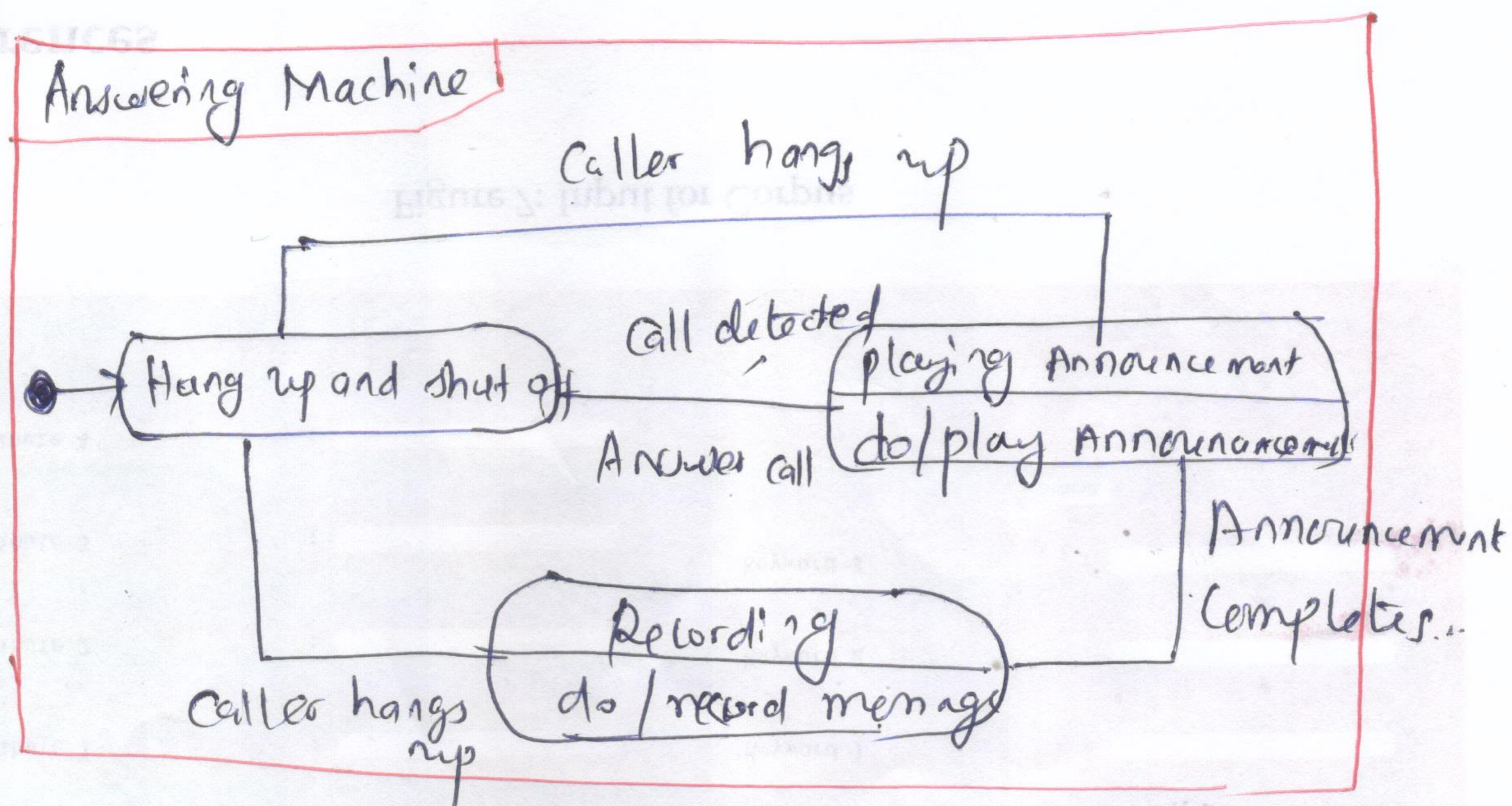
## Advantages of SSD

→ Easier to read

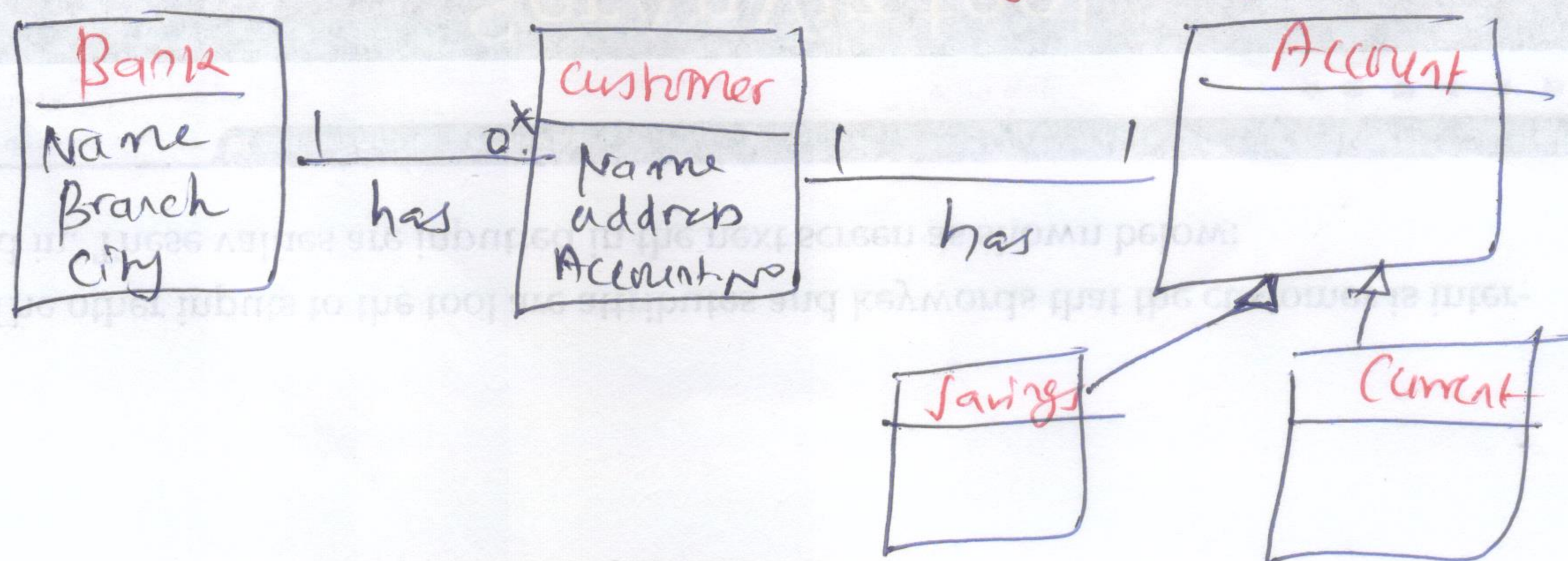
→ UML specification is more sequence diagram centric

→ Allows reverse Engineering.

### ③ State diagram - Control of telephone answering machine.



### ④ domain model for banking diagram.





③

## ⑤ Conceptual class

A conceptual class is a real-world concept or thing; a conceptual or essential perspective.

strategies for identifying conceptual classes

① Reuse or modify existing models

② Use a category list

③ Identify Noun phrase.

## Part - B

① Relationship b/w sequence diagram and Use Cases

→ definition (SSD)

→ Use case diagram for withdrawal of money

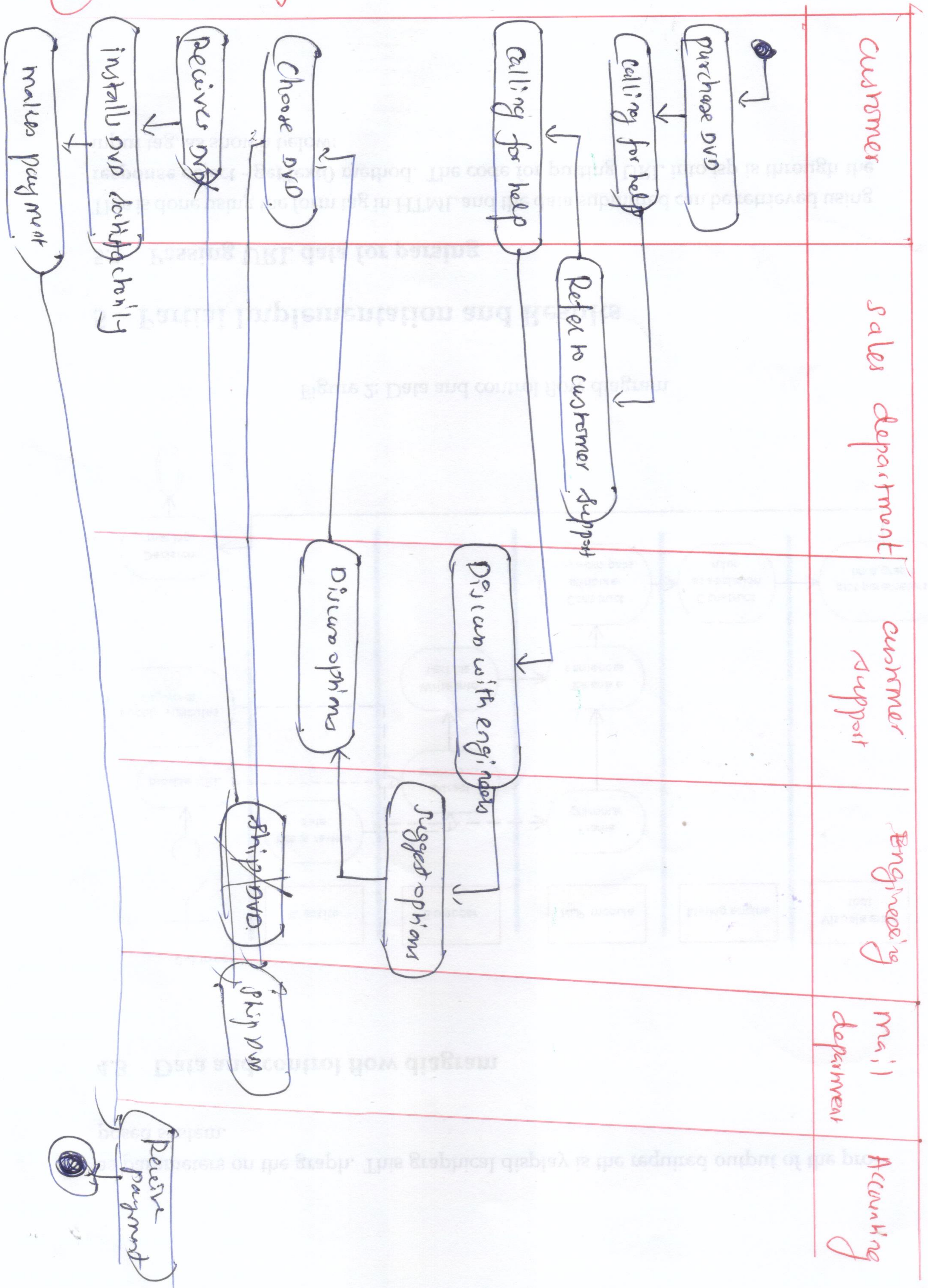
→ sequence diagram for withdrawal of money.

→ Guidelines.



# Activity diagram

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### ③ state diagram:

→ Definition

→ State

→ Action | Event

→ Transition

