

- Tutorial

## ELECTRONIC PAYMENT SYSTEM

Electronic Payment system is like online market which includes customer, merchant and a bank to hold their money transaction.

New customer or merchant will fill a form to open a account which is granted by bank and will assign a account number and password as a authentication key. Whenever customer want to store cash he can store it in his account.

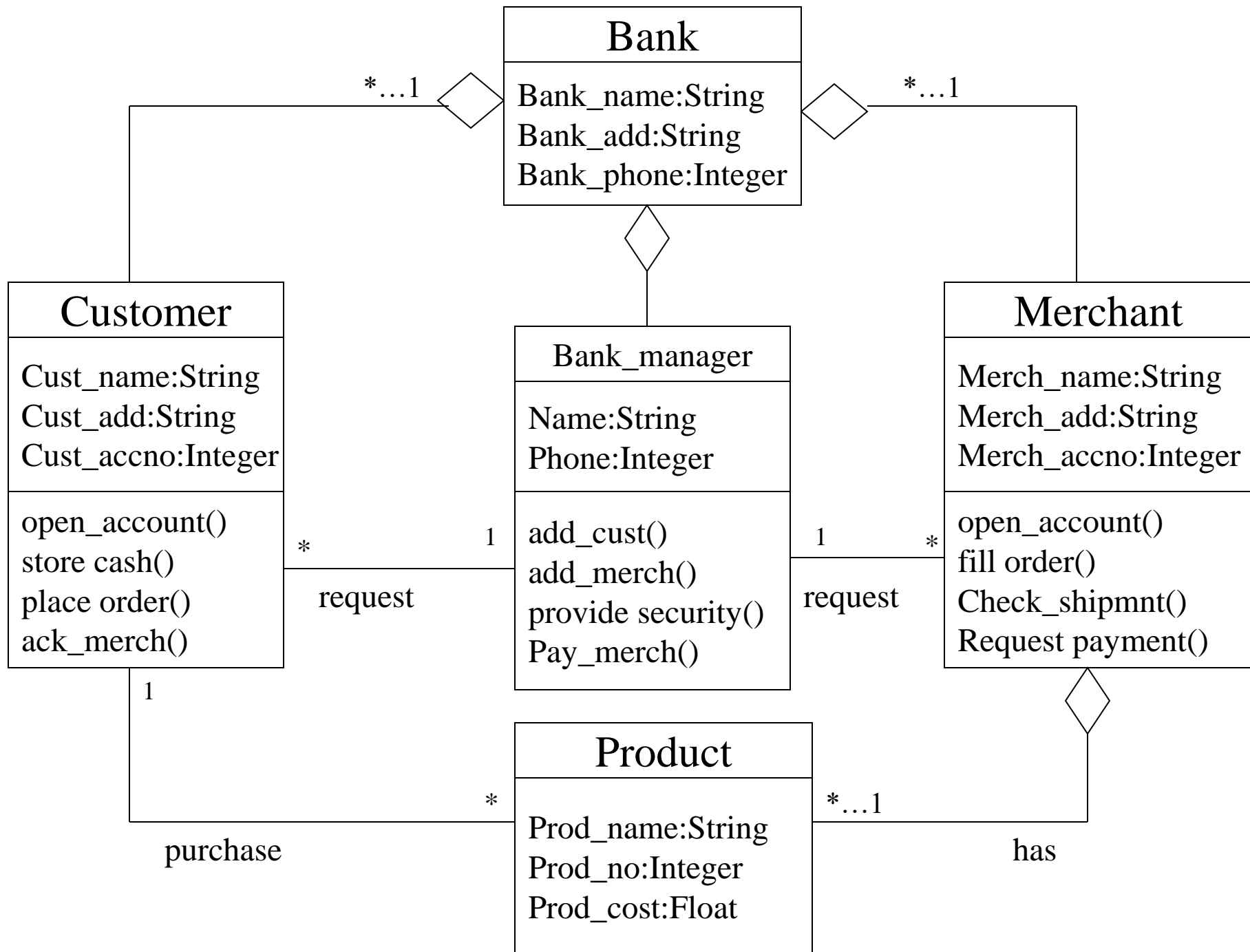
- Customer checks sites given by system to purchase product and enters the products details he want to purchase i. e. request order to merchant. Merchant who receives order check customers authentication and then fill the order. After shipment of product, Merchant request for payment to bank who fulfill it.

# Tutorial

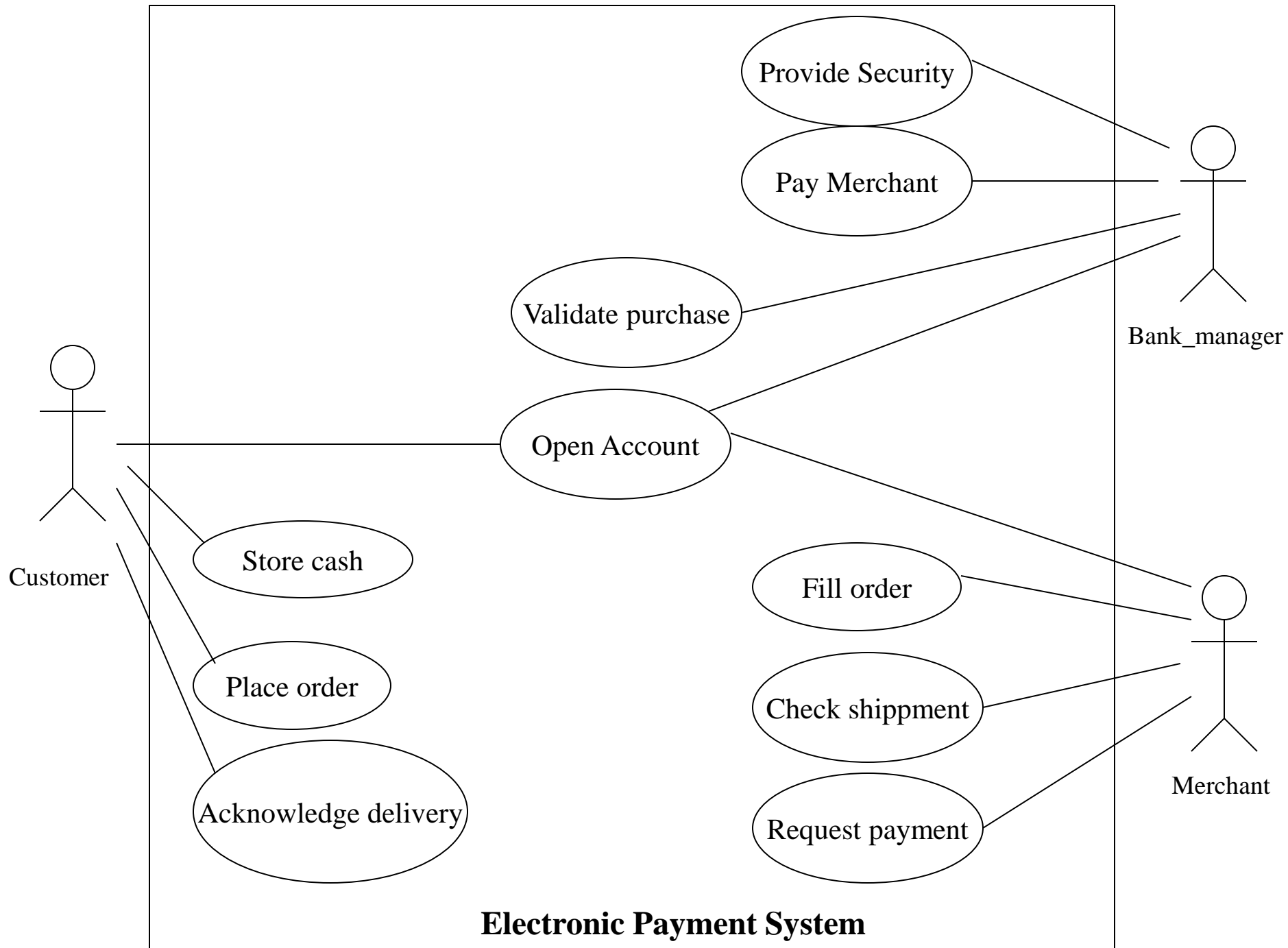
## ELECTRONIC PAYMENT SYSTEM

1. Construct the class diagram(10)
2. Construct use case diagram(10)
3. Write textual description of use case diagram for provide security for purchase transaction(10) .
4. Construct Interaction diagram to open the account and its collaboration diagram.(10)
- 5.(i) give the corrections in the Functional model  
(ii) write algorithm for request payment transaction
6. MAKE THE PROPER CORRECTIONS IN THE GIVEN DIAGRAMS AS PER THE EXPLANATION GIVEN.

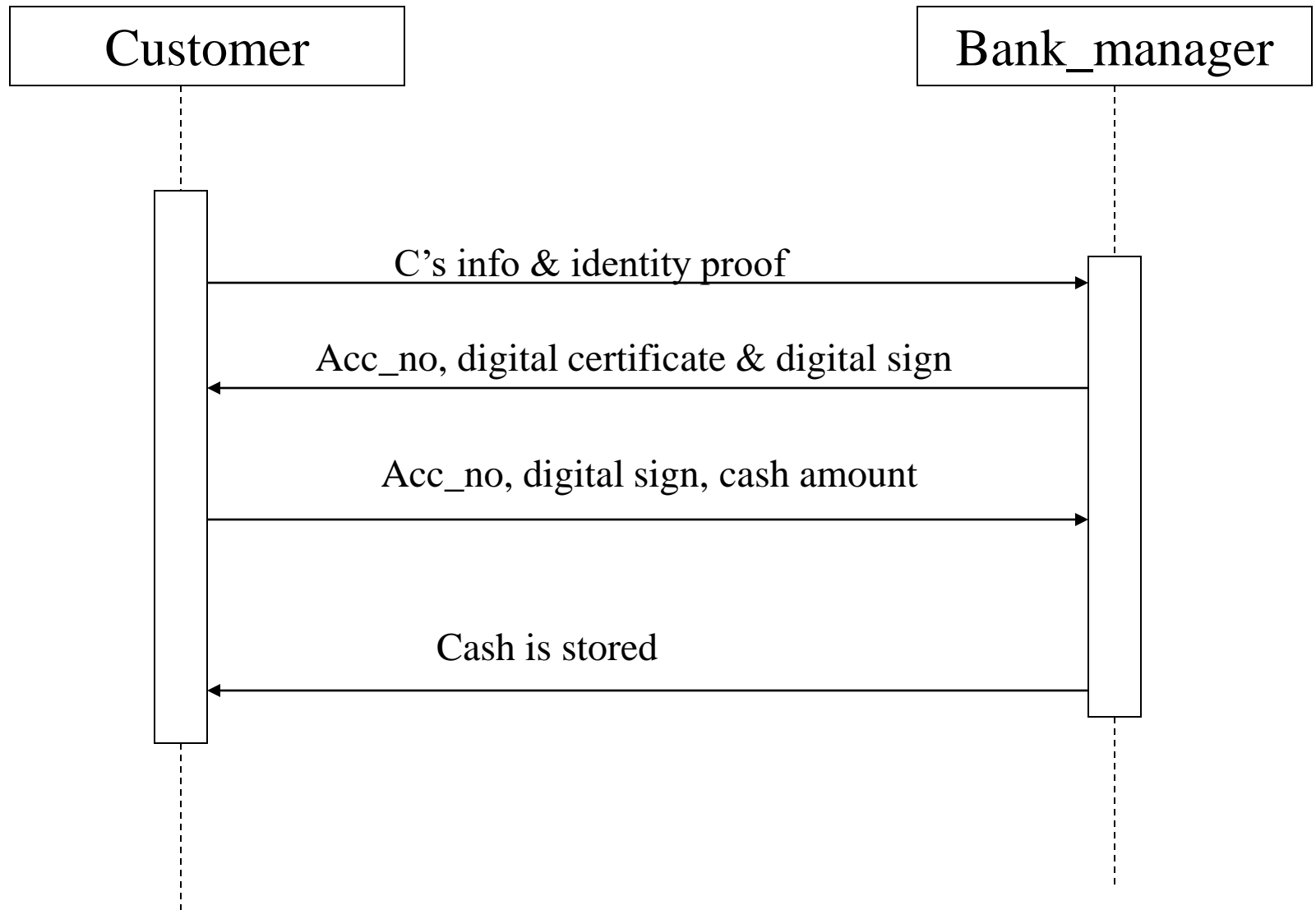
# CLASS DIAGRAM



# USE CASE DIAGRAM

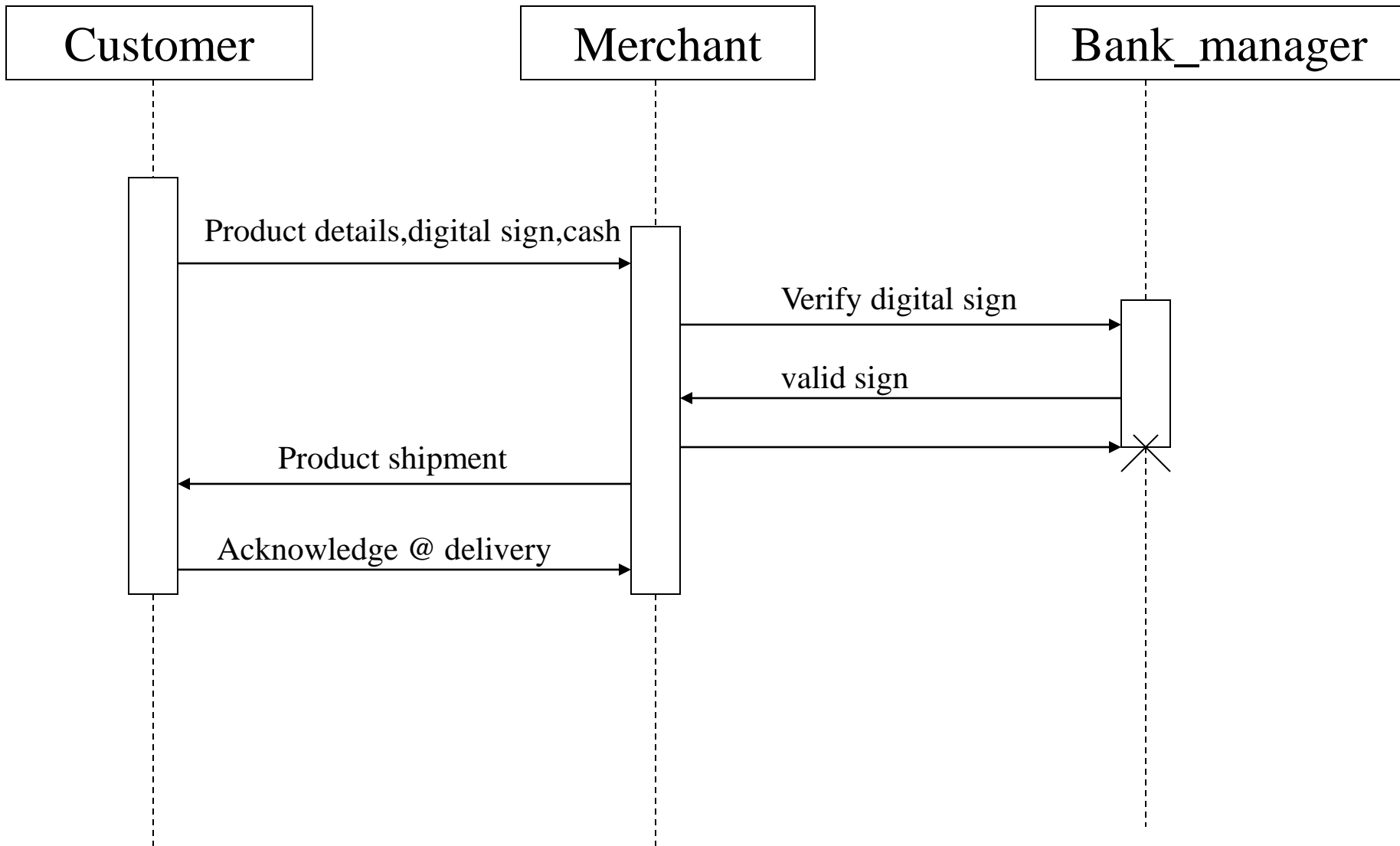


# INTERACTION DIAGRAM

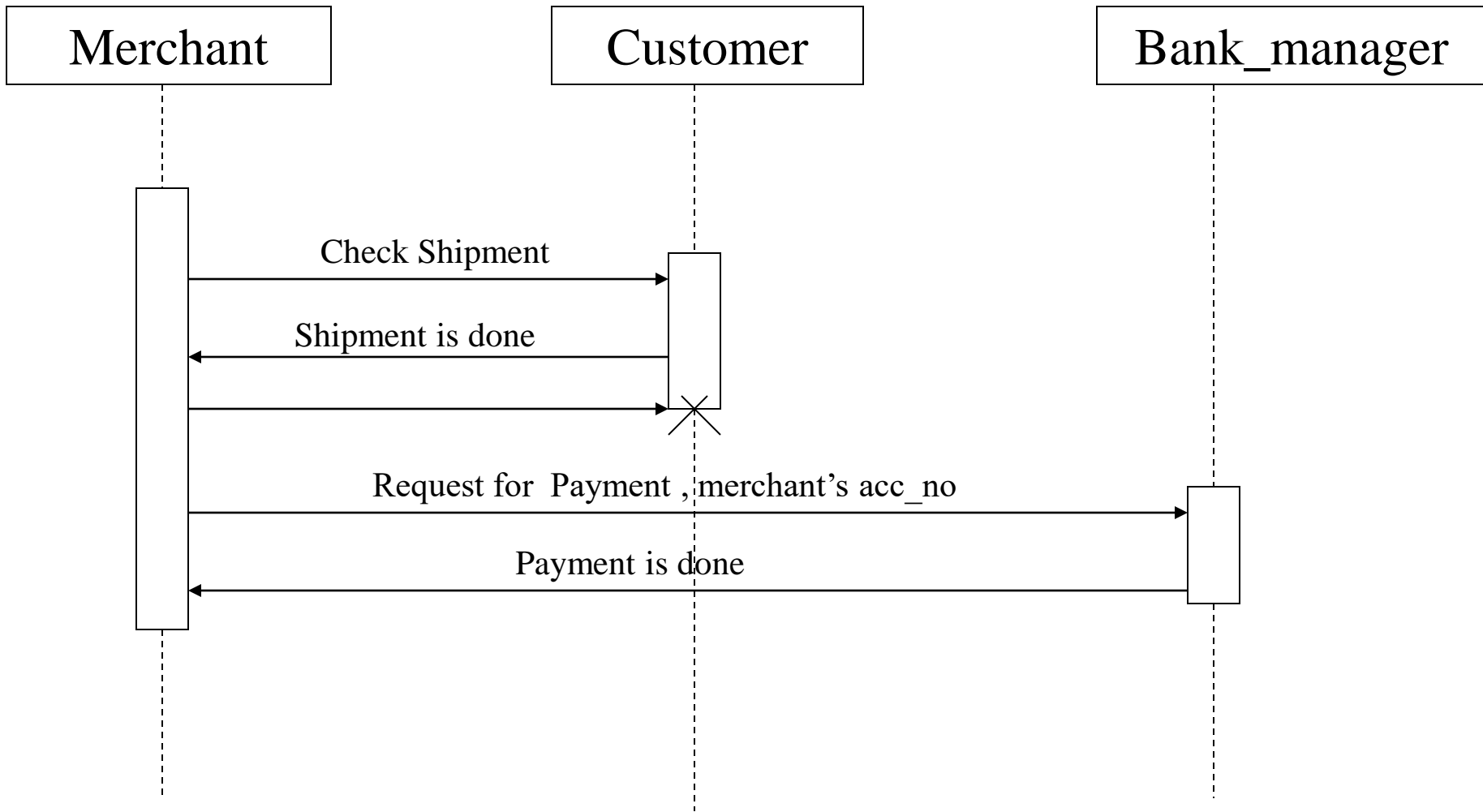


**Dia. for Opening Account**



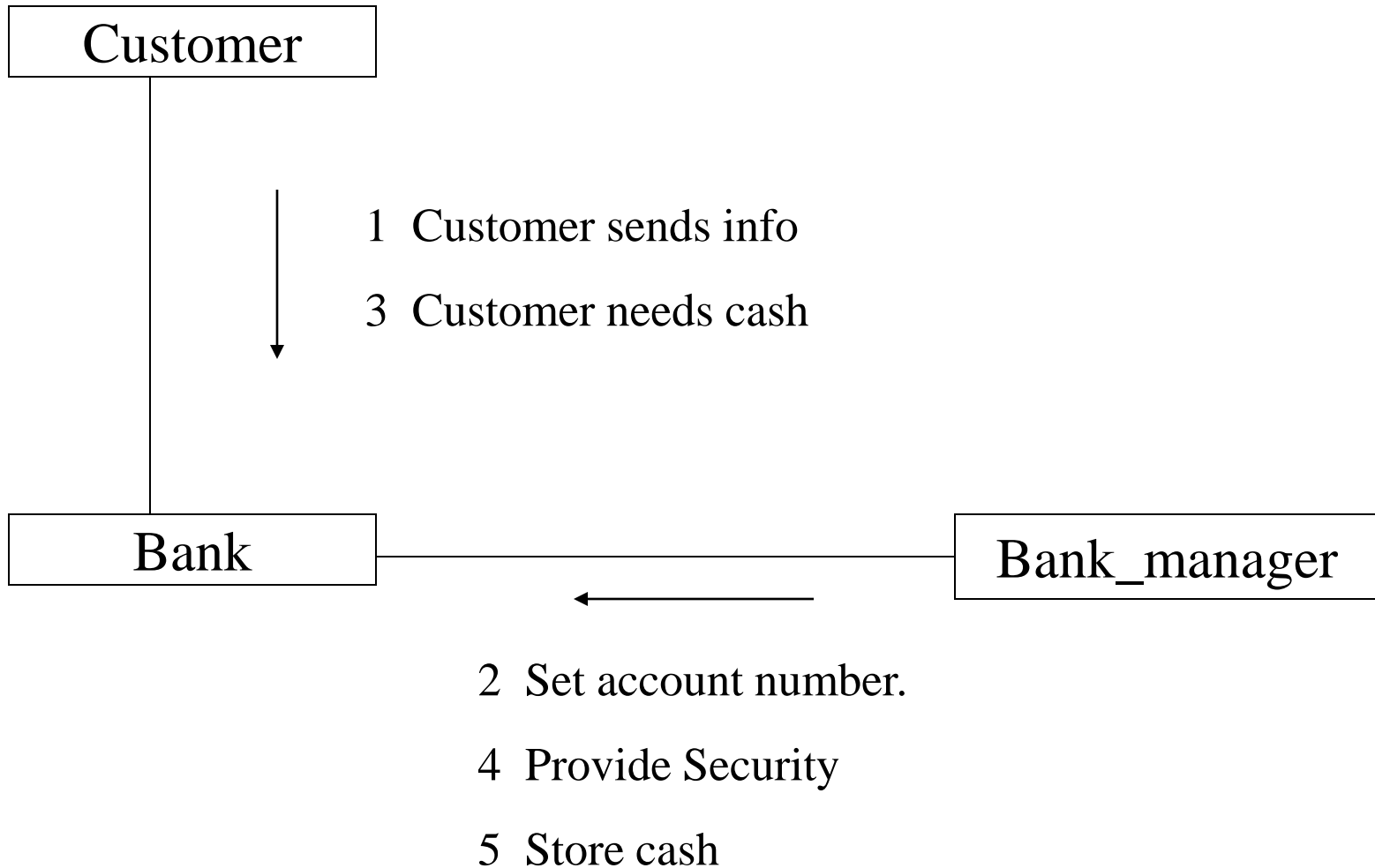


**Dia. for Purchase Transaction**

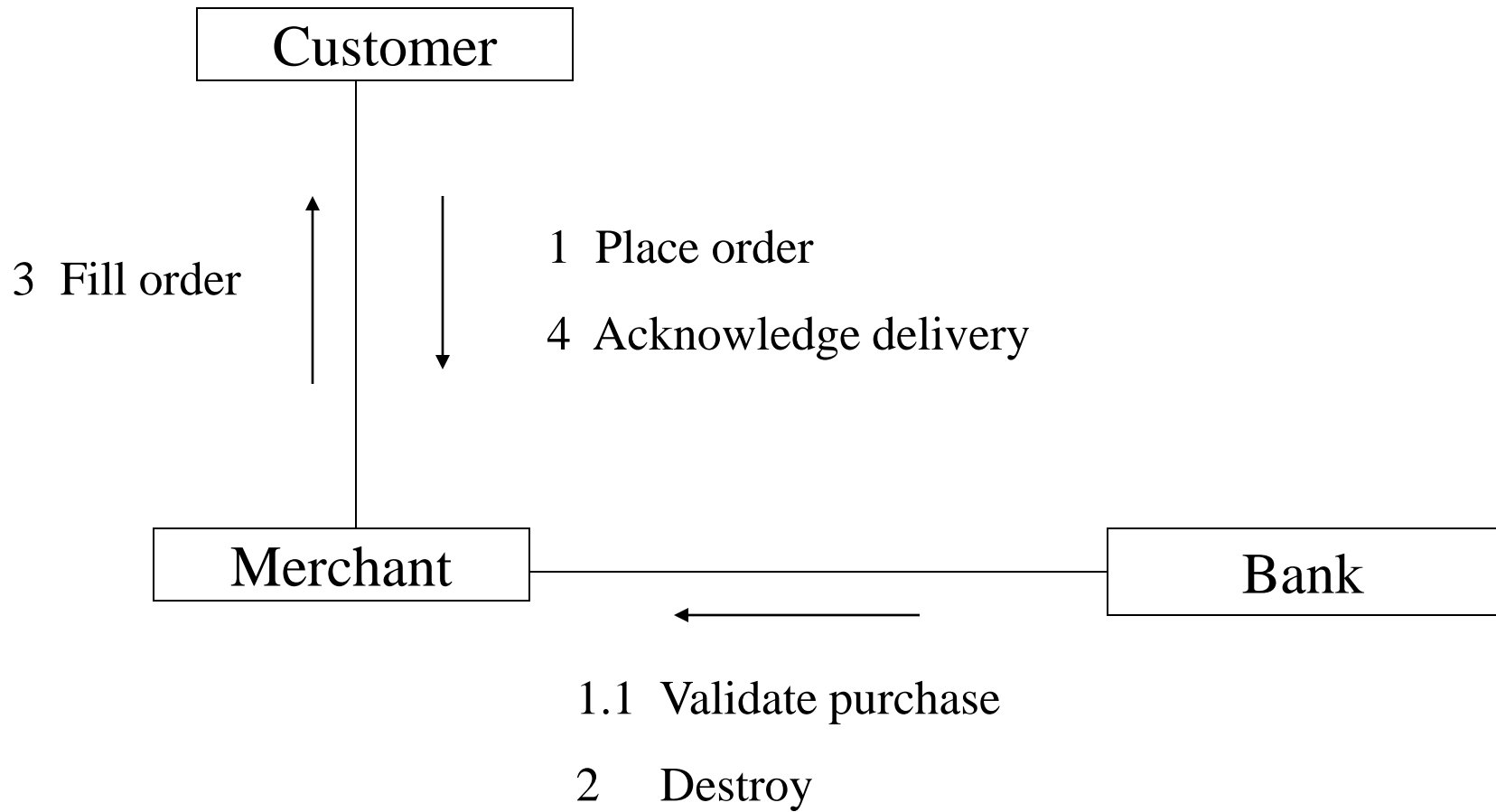


**Dia. for Payment Transaction**

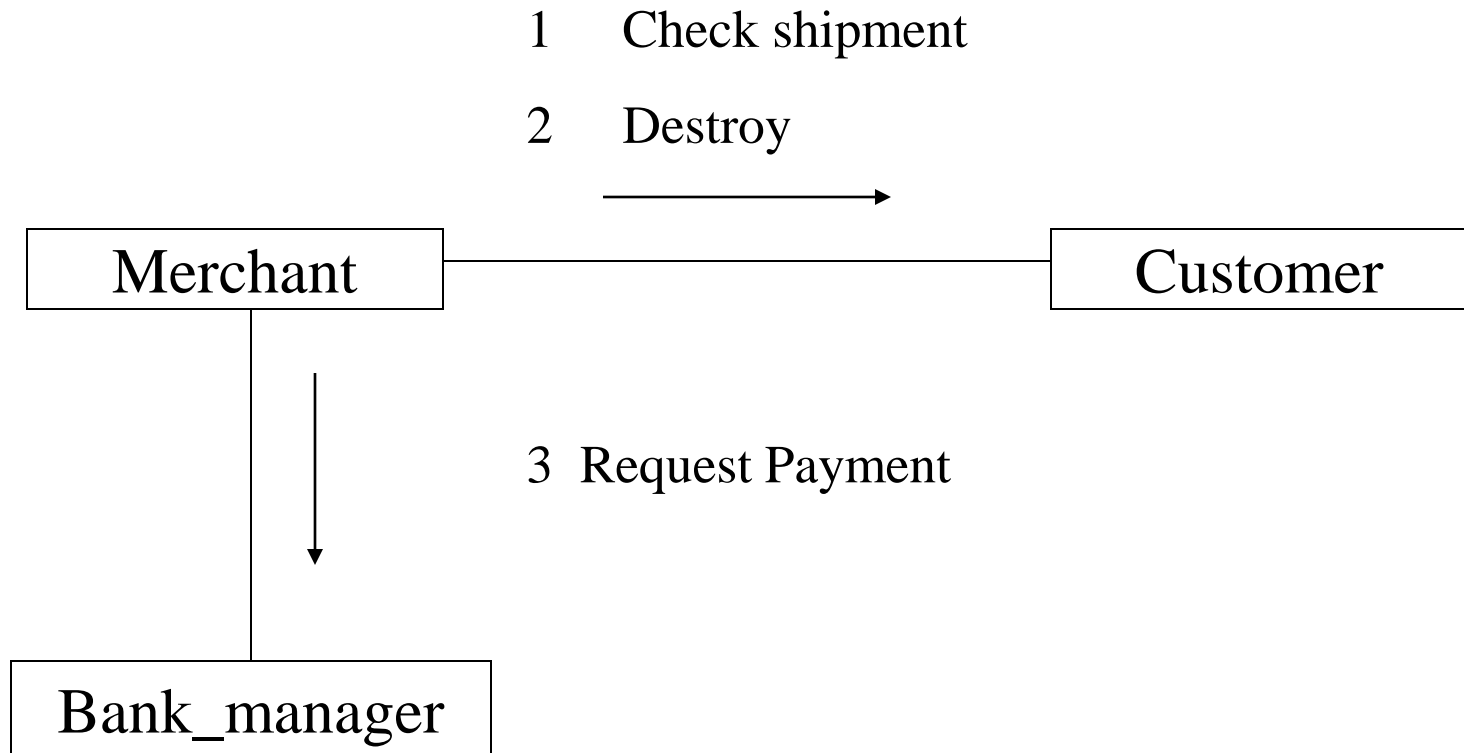
# COLLABORATION DIAGRAM



**Dia. For Opening Account**

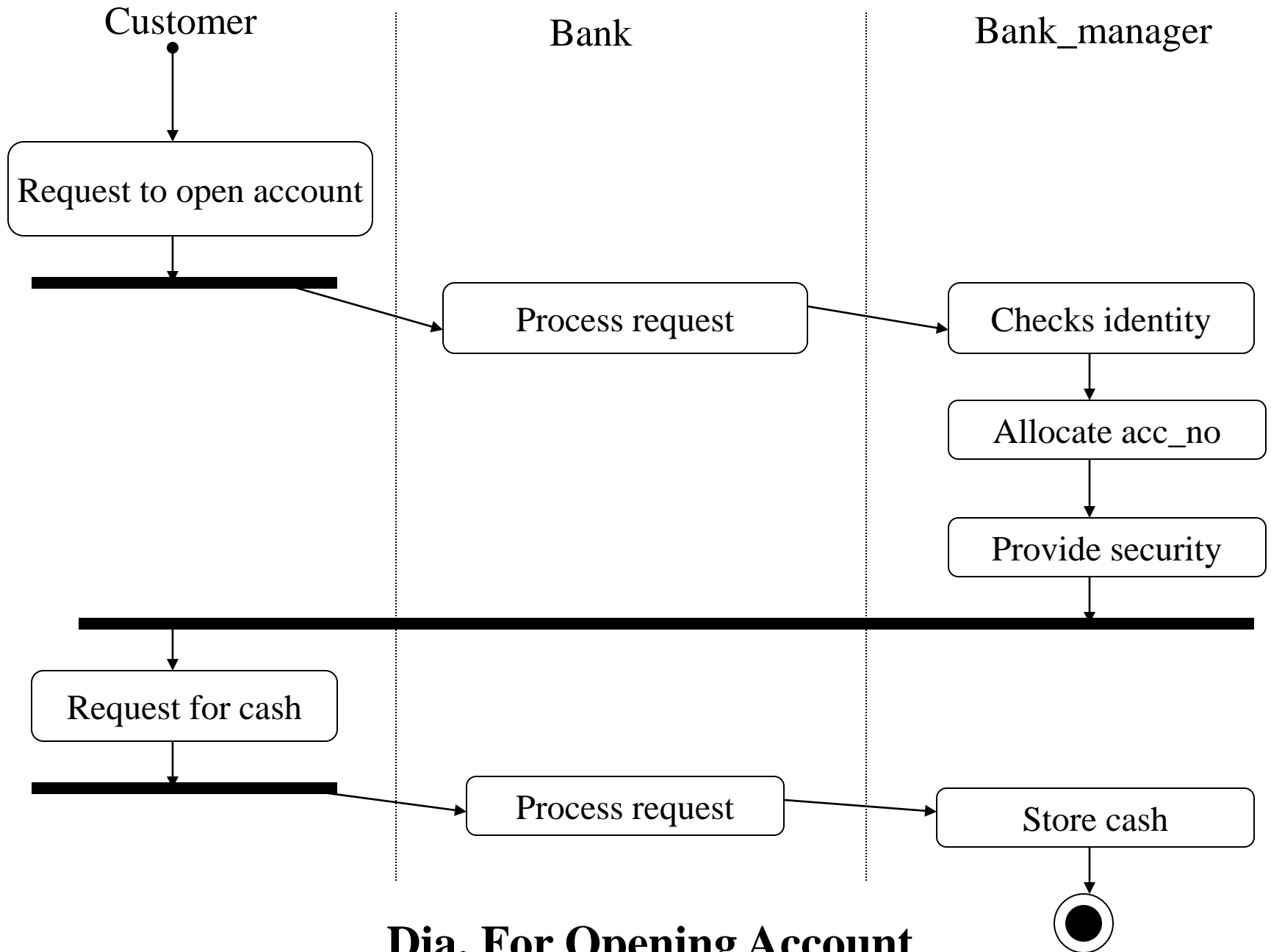


**Dia. For Purchase Transaction**

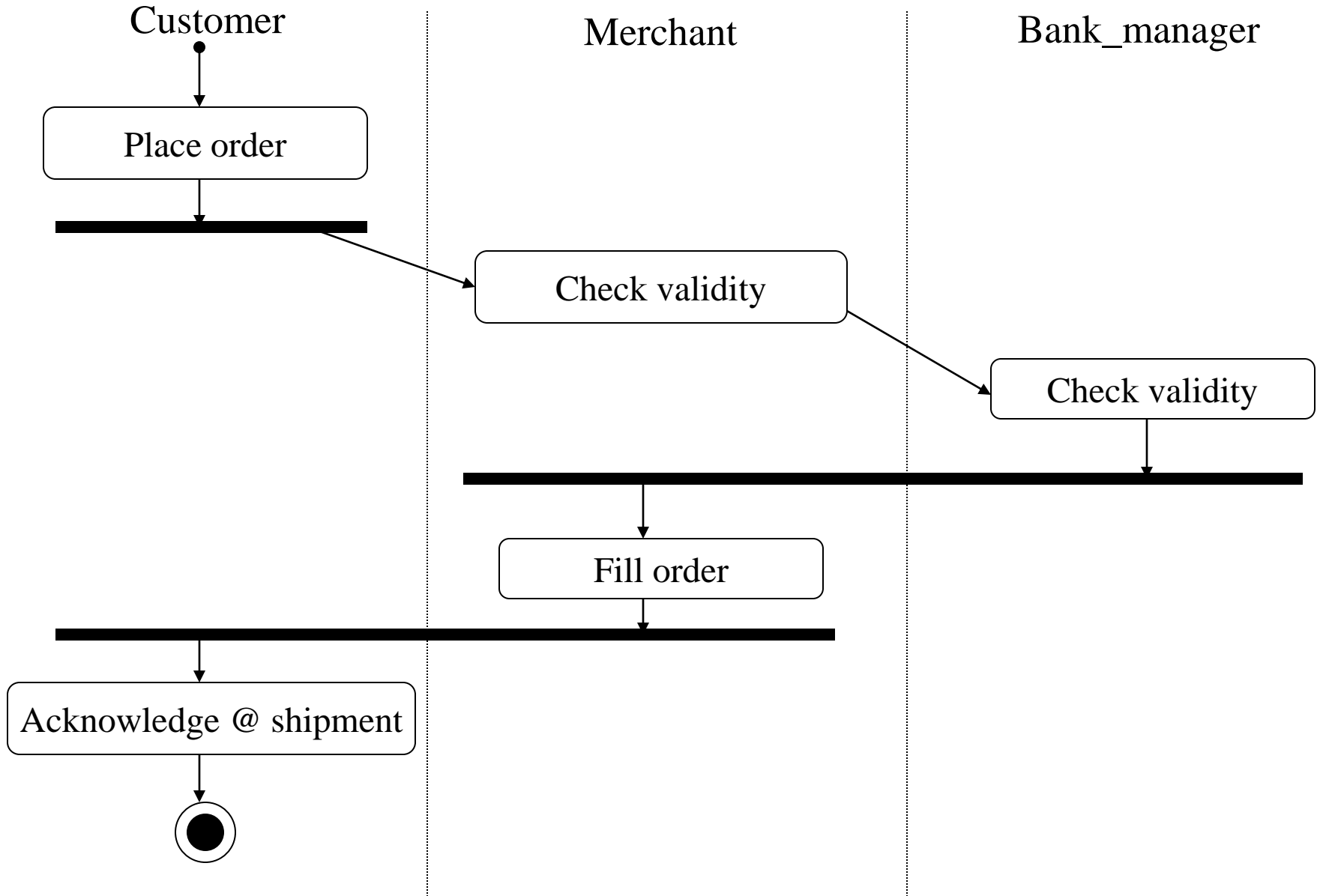


**Dia. For Payment Transaction**

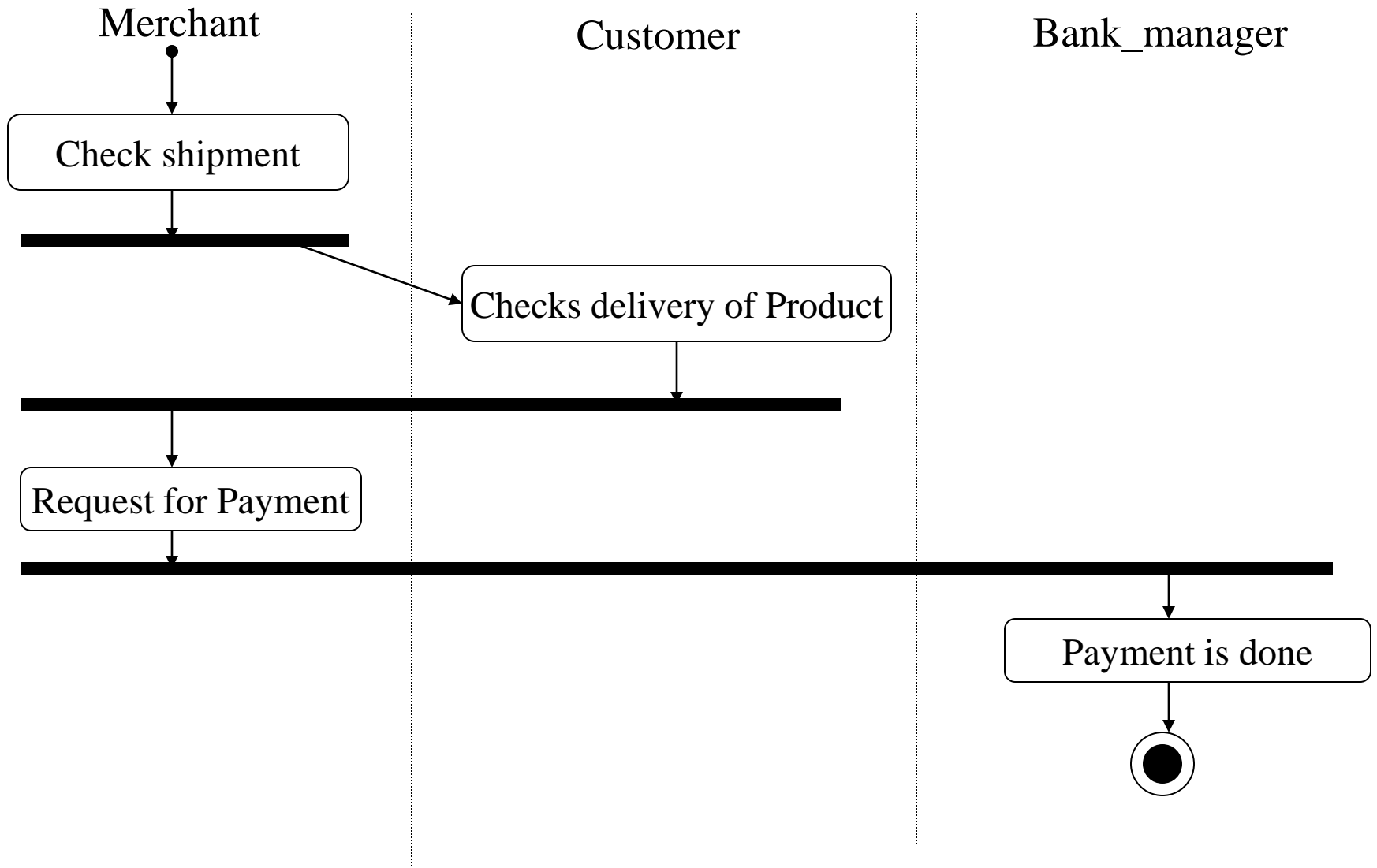
# ACTIVITY DIAGRAM





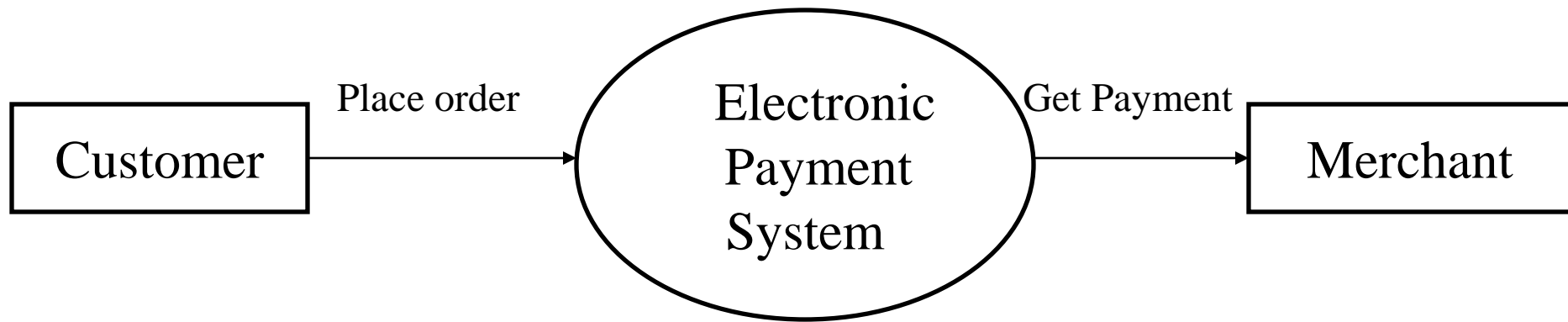


**Dia. For Purchase Transaction**

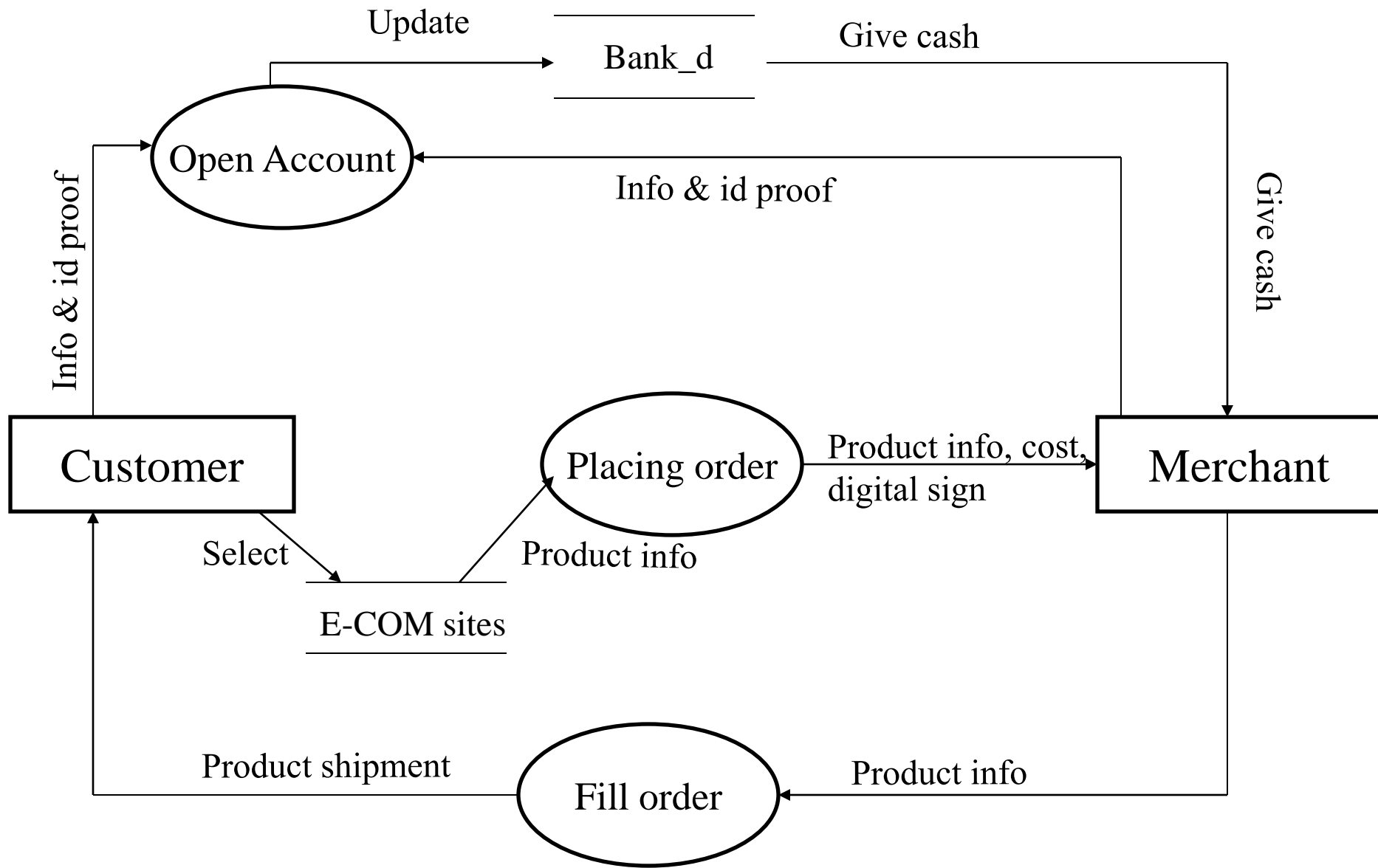


**Dia. For Payment Transaction**

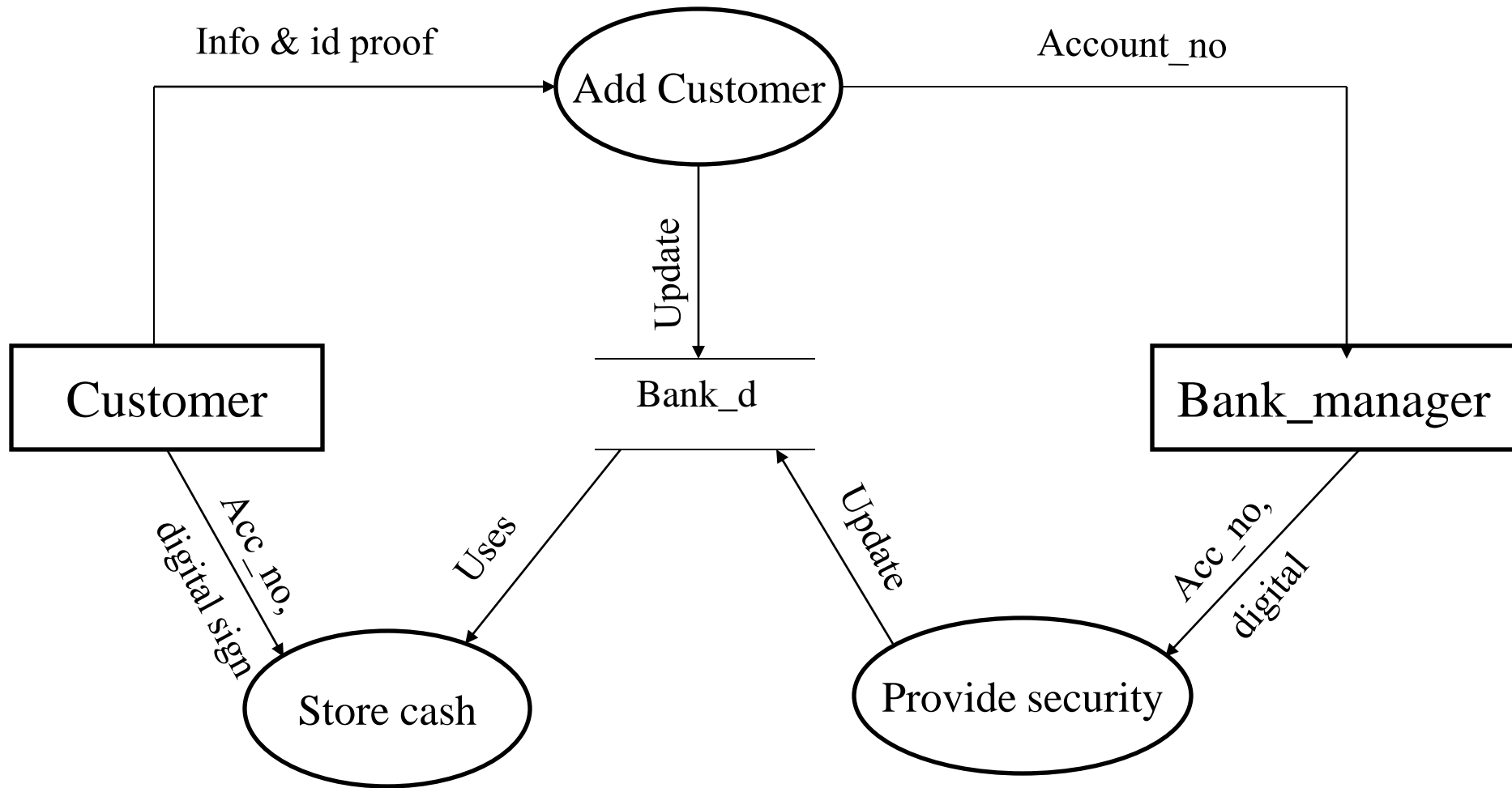
# FUNCTIONAL DIAGRAM



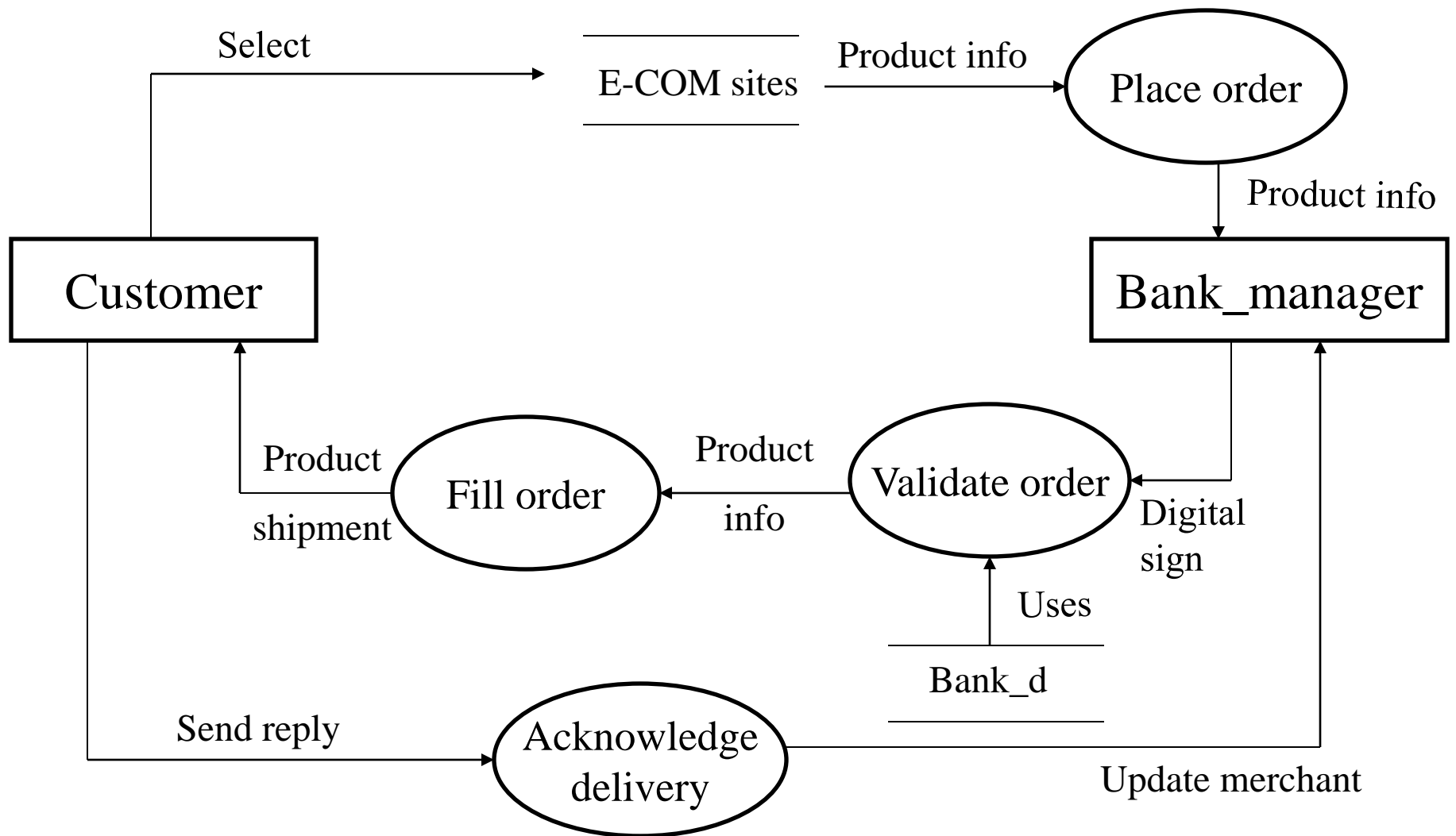
**Context Diagram( 0 – level DFD )**



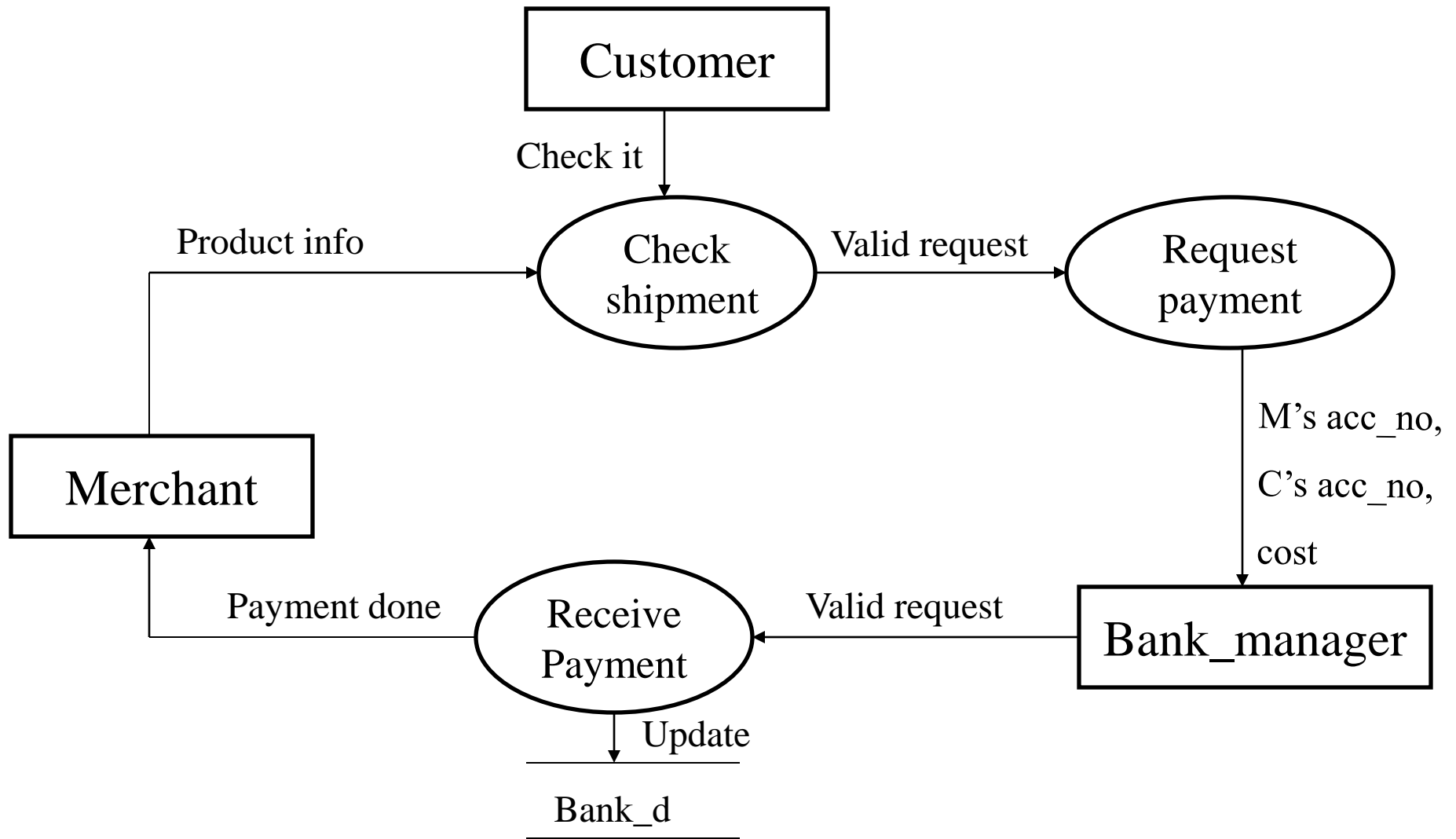
**Level - 1 DFD**



**Level - 2 DFD (Opening Account)**



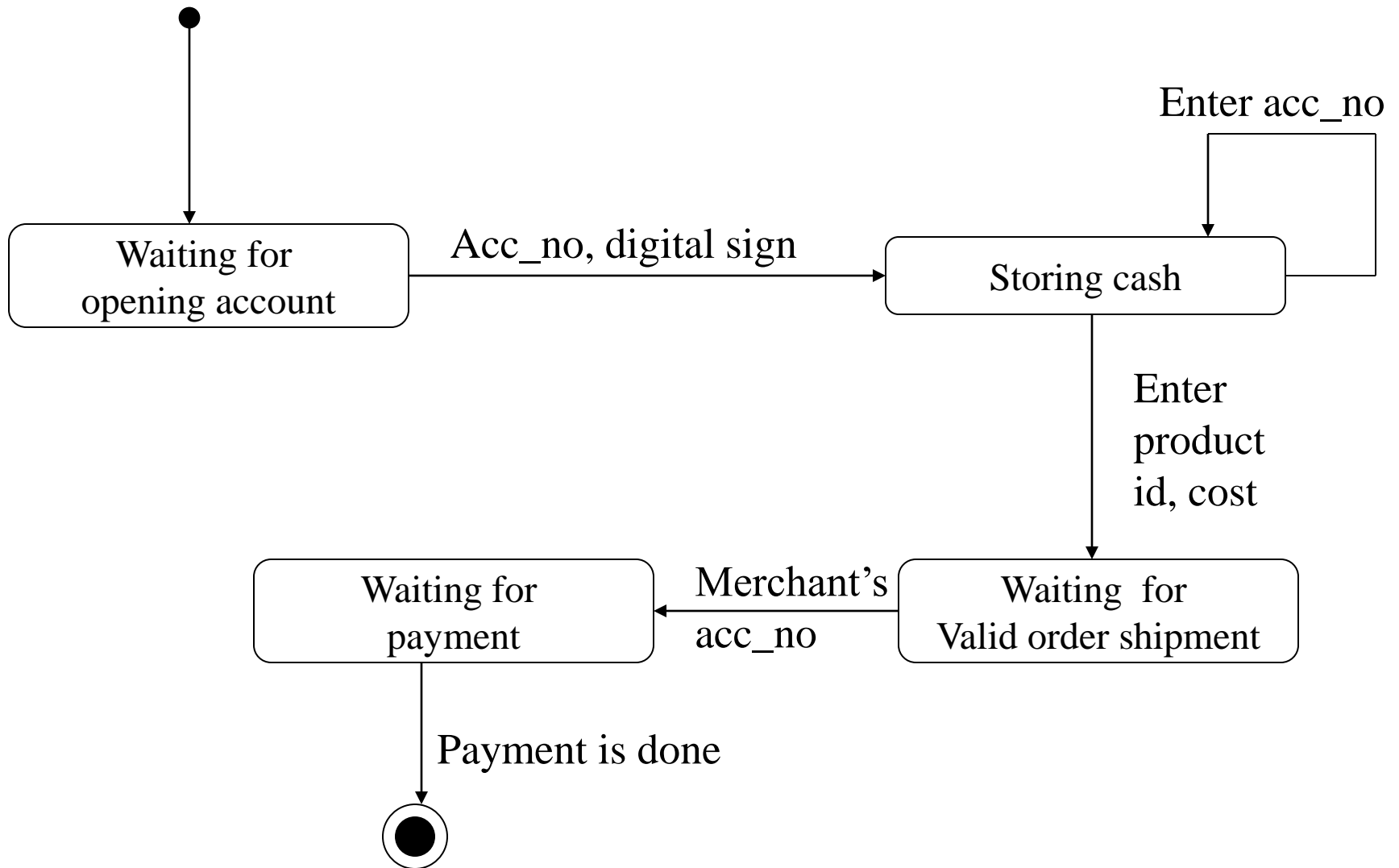
**Level - 2 DFD (Purchase Transaction)**



**Level - 2 DFD (Payment Transaction)**



# STATE TRANSITION DIAGRAM



## Electronic Payment System