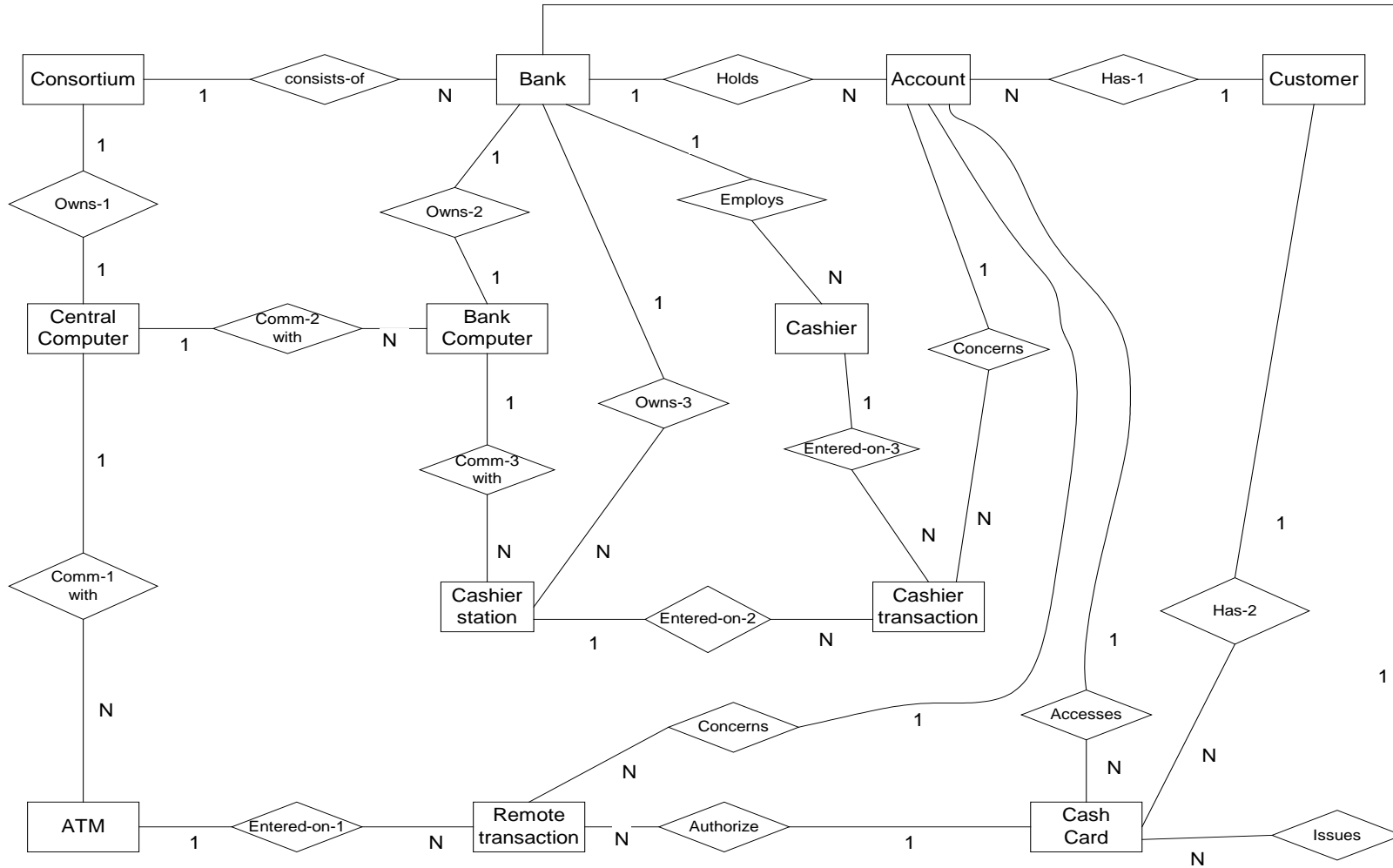
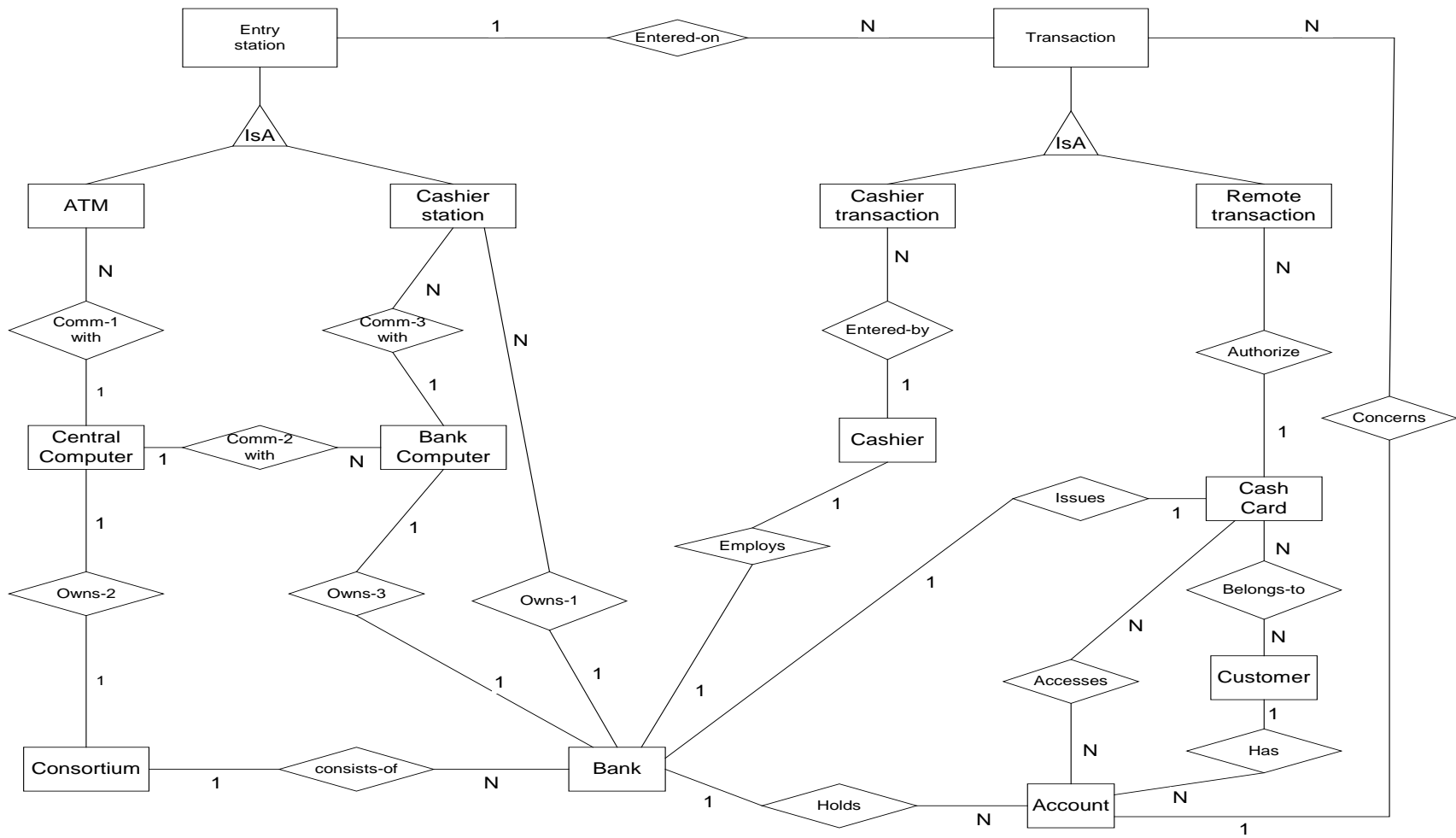


Entity Relationship (attributes on page three)



Entity Relationship with Refinement (Optimized solution)



Some minimum set of attributes for the **entities**

1. Bank(BankCode, B_Address, Phone_No, Reg_Number)
2. Account(AccountCode, AccountType, CreditLimit, Balance)
3. Customer(Cust_Number, Name, Address)
4. Consortium(Con_Reg_Number, Name, Address)
5. CentralComputer(Network_ID, Location, ...)
6. BankComputer(Network_ID, Location, ...)
7. Cashier(EmployeeCode, Name, Phone, ...)
8. CashierStation(C-StationCode, Location, ...)
9. CashierTransaction(Tran_Type, Date, Time, Amount, ...)
10. ATM(ATM-StationCode, CashOnHand, Dispense, Location, ...)
11. RemotTransaction(RTran_Type, Date, Time, Amount, ...)
12. CashCard(CardCode, PIN, Card_Type)

Relationships with attributes

1. Comm-1-with(Comm-Protocol)
2. Comm-2-with(Comm-Protocol)
3. Comm-3-with(Comm-Protocol)