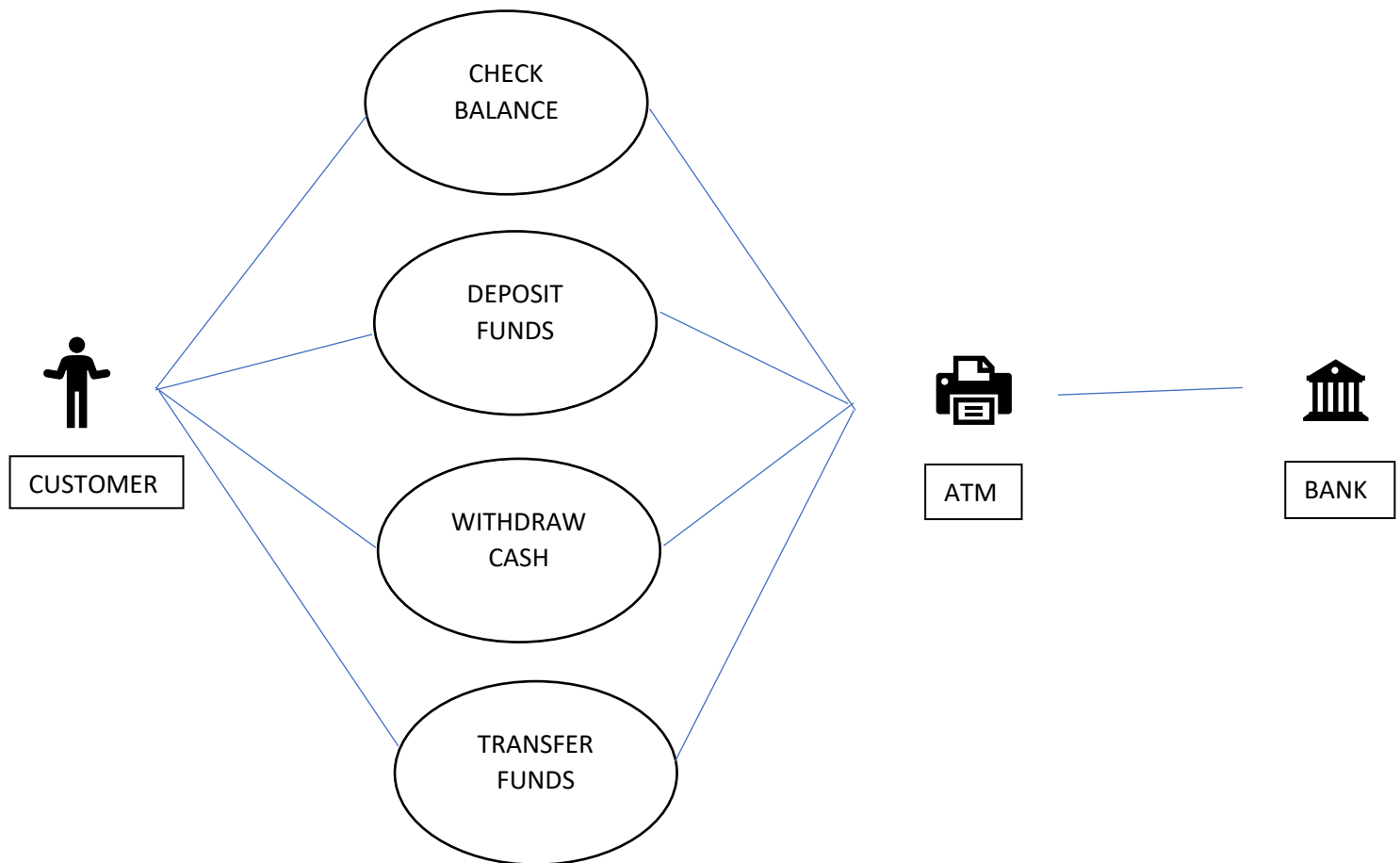


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Create a Use case diagram for an ATM machine. Cash withdraw, transfer funds, deposit funds use cases involve Bank Customers.



Develop a cash withdraw use case for the Bank customer.

Use case name: Cash withdraw

Summary: Customer withdraws cash from the ATM machine with a debit card and an active bank account.

Actor: Customer of the Bank

Precondition:

1. The ATM machine is in working condition.
2. There should be active connection to the banking system.
3. The customer should have a debit card.
4. The ATM machine should have enough cash to dispense.

Description (Basic flow of events):

1. The customer inserts their debit card into the card reader on the ATM machine.
2. The ATM machine reads the account information of the customer.
3. The system identifies the customer and authenticates if the debit is valid by asking the customer for the pin number.
4. Customer enters the pin number.
5. The machine links the debit card to the bank account.
6. If the debit card and bank account is valid then the machine prompts user to select one of the three service options (Withdraw, Transfer, Check Balance).
7. The customer selects withdraw cash option.
8. The machine prompts user to enter the amount needed to withdraw.
9. The customer selects the amount they want to withdraw from the ATM machine.
10. The machine checks if the machine and the bank account have enough funds for successful withdrawal. 10. The machine releases the requested cash.
11. The machine ejects the debit card after cash is taken.
12. The customer has successfully withdrawn the required cash.
13. The user is asked if they want a receipt.
14. The Use case ends, and system displays home screen.

Alternative flows:

1. Not enough money in account.
2. Not enough money in the ATM machine.
3. The amount of cash dispensed is incorrect.
4. Debit card is stuck in the card reader.
5. Debit card is not readable.
6. Customer forgot to take the money from the tray.
7. Customer does not respond halfway through the process.
8. The card is reported stolen.
9. Incorrect Pin entered.
10. Account is frozen.

Postcondition:

1. The debit card is returned to the customer.
2. The customer receives the cash and receipt if asked for.
3. The system goes back to the home page.