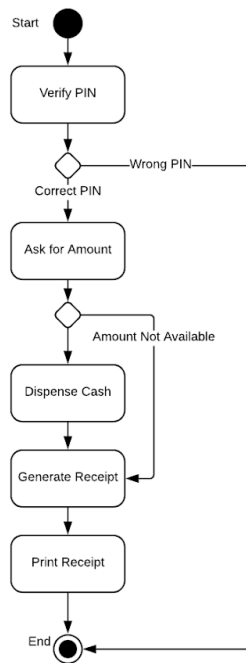


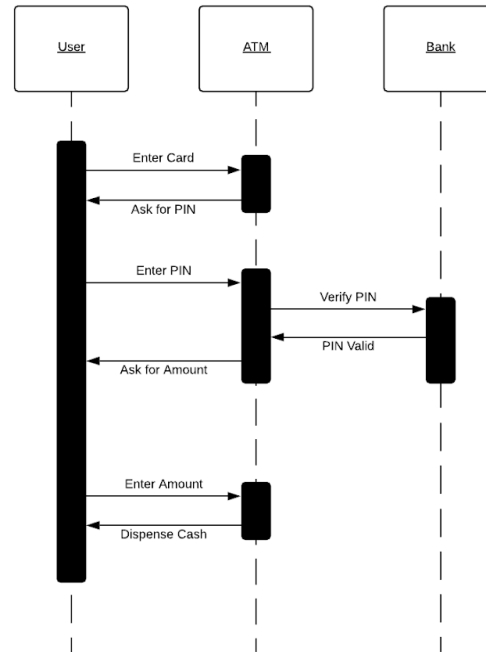
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Object Model (UML Class Diagram)

UML Activity Diagram



UML Sequence Diagram



PROMPT: What use case is being described by these diagrams? What interactions are involved in this use case? What information is being passed back and forth?

The diagrams above represent a customer's use of an ATM to get cash. The sequence of activities between the User, ATM, and Bank objects described is:

1. **User** swipes debit card to START ACTIVITY
2. **ATM** asks for PIN
3. **User** enters PIN
4. **Bank** verifies PIN
 - a. If PIN invalid, END ACTIVITY
5. **ATM** asks for amount
6. **User** enters amount
7. *SEQUENCE DIAGRAM is missing the required step: Bank verifies amount is available*
 - a. If amount not available GO TO Step 9
8. **ATM** dispenses cash
9. *SEQUENCE DIAGRAM is missing this required step: ATMC confirms cash was dispensed.*

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10. SEQUENCE DIAGRAM is missing this required step: Bank generates receipt

11. ATM prints receipt and ENDS ACTIVITY

The updated Sequence Diagram is below:

