Assignment-01

Course: System Analysis & Design
Course Code: CSE-325
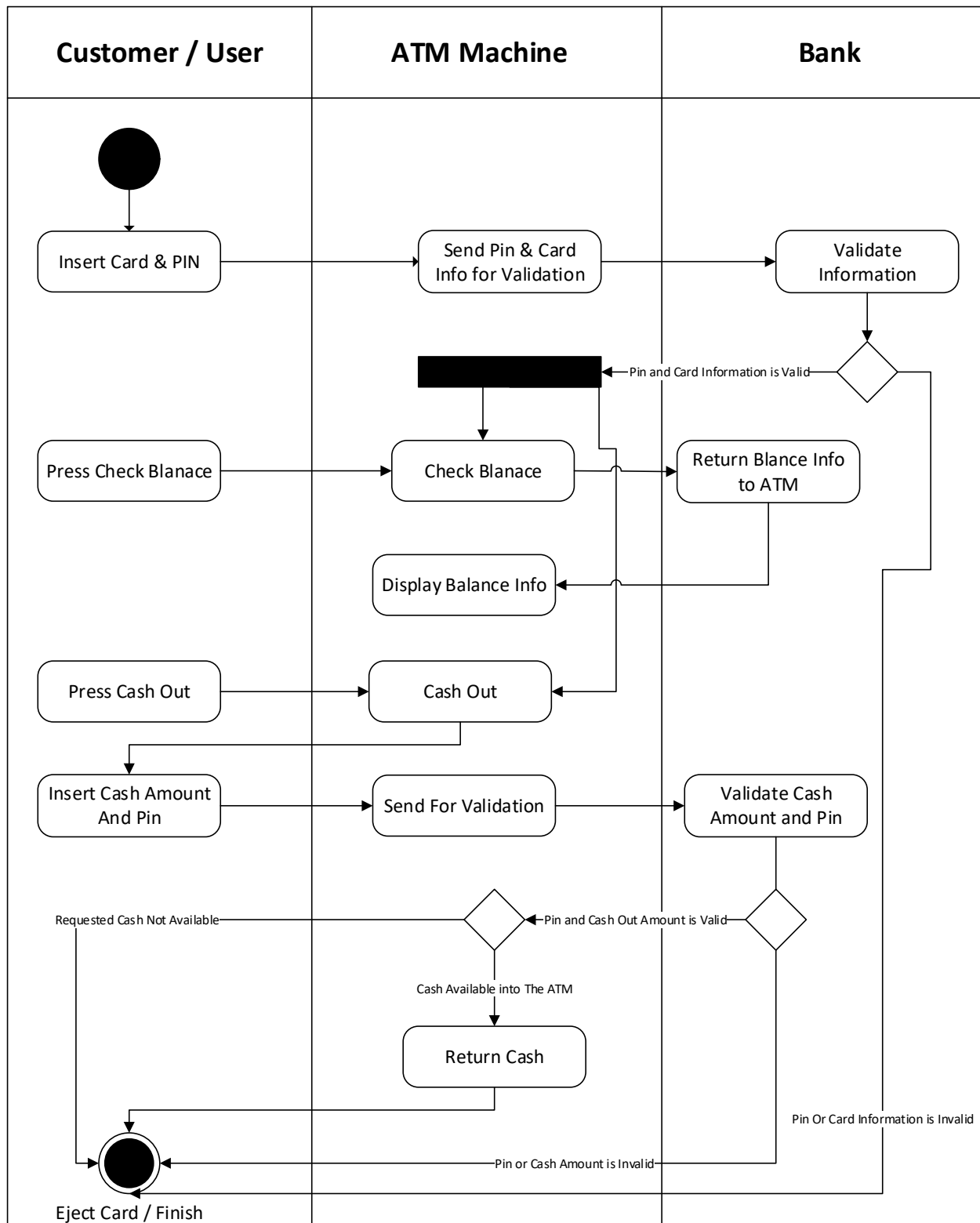
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Contents

1. ATM Activity Diagram

Customer / User	ATM Machine	Bank

Customer / User:
- (start node)
- Insert Card & PIN
- Press Check Blanace
- Press Cash Out
- Insert Cash Amount And Pin
- Eject Card / Finish

ATM Machine:
- Send Pin & Card Info for Validation
- Check Blanace
- Display Balance Info
- Cash Out
- Send For Validation
- Return Cash

Bank:
- Validate Information
- Return Blance Info to ATM
- Validate Cash Amount and Pin

Flow labels:
- Pin and Card Information is Valid
- Cash Available into The ATM
- Requested Cash Not Available
- Pin and Cash Out Amount is Valid
- Pin or Cash Amount is Invalid
- Pin Or Card Information is Invalid

1.1 ATM Activity Diagram Description

The Entire Activity Diagram is Divided into 3 Part. The Customer/User, the ATM and the Bank System. Each of the part acts different. Each of them is described below:

1. **Customer/User:** Customers/Users are the reason that this system exist. As we can see from the above diagram, users are able to operate 4 activity into the entire system. These are given below:

   i)   **Insert Card & Pin:** In this activity a User is allowed to insert his/her ATM Card & his private pin code to verify his/her identity to the Bank.
   ii) **Press Check Balance:** This activity return Current Balance of a User.
   iii) **Press Cash Out:** This activity allows a user to get cash money from the ATM.
   iv) **Insert Cash Amount and Pin:** This activity verifies the amount of the money the user is requesting to cash out along with pin code.

2. Sequence Diagram