**Entity objects for an ATM:**

1. **Customer**
   1. Customer withdraws/deposits cash
   2. Customer checks account balance
   3. Customer gets mini statement
2. **ATM Card**
   1. ATM card is inserted into the card reader to begin transaction
   2. ATM card is used to get all the account details
   3. ATM card is used to change ATM PIN
3. **ATM Machine**
   1. ATM reads the ATM card
   2. ATM provides User Interface that interacts with the user
   3. ATM dispenses the cash and prints receipt
   4. ATM verifies the user and the linked account

**BOUNDARY CLASS:**

**Screen sensor**: Key responsibilities: Identify the place that user prints and transmit the signals to different objects to run the function. Notes: React to the behavior and transmit the information of action.

**Pass board sensor**: Key responsibilities: Identify the button that user presses and send the information to different objects. Notes: React to the behavior and transmit the information of pressing the button.

**Monitor**: Key responsibilities: Record the videos and transmit it to the center system. Note: Keep transmitting videos all day until other commands from the system.

**Card reader sensor**: Key responsibilities: Scan the card for the chip or magnetic strip and transmit the information to system for identifying the account. Note: Transmit the information of card.

**Money detector in outlet**: Key responsibilities: Count the money, send the serial number, and result of identification to the system. Note: Transmit the information of cash.

**Receipt printer**: Key responsibilities: Receive information and output it on the receipt. Note: Output the result of service.

**Screen**: Key responsibilities: Show each result on the screen after user's action. Note: Output each result after the behavior.

**CONTROL OBJECTS:**

**AccountControl** is responsible for letting the user select which account he wants to perform the transaction on.

**DepositControl** is responsible for the implementation of depositing money from ATM.

**WithdrawControl** is responsible for implementing the withdrawal of funds from Account selected.

**BalanceControl** is responsible for executing queries of when user wants to check his account balance.

**PasswordControl** is responsible for implementing the change password/PIN of the Card.