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| **Use Case Name** | Withdraw Fund | |
| **Brief Description** | ATM customer withdraws a specific amount of funds from a valid bank account. | |
| **Precondition** | The system is idle. The system is displaying a Welcome message. | |
| **Primary Actor** | ATM customer | |
| **Secondary Actors** | None | |
| **Dependency** | INCLUDE USE CASE Validate PIN. | |
| **Generalization** | None | |
| **Basic Flow** | **Steps** | |
| **1** | INCLUDE USE CASE Validate PIN. |
| **2** | ATM customer selects Withdrawal through the system |
| **3** | ATM customer enters the withdrawal amount through the system. |
| **4** | ATM customer selects the account number through the system. |
| **5** | The system VALIDATES THAT the account number is valid. |
| **6** | The system VALIDATES THAT ATM customer has enough funds in the account. |
| **7** | The system VALIDATES THAT the withdrawal amount does not exceed the daily limit of the account. |
| **8** | The system VALIDATES THAT the ATM has enough funds. |
| **9** | The system dispenses the cash amount. |
| **10** | The system prints a receipt showing transaction number, transaction type, amount withdrawn, and account balance. |
| **11** | The system ejects the ATM card. |
| **12** | The system displays Welcome message. |
| **Postcondition** | ATM customer funds have been withdrawn. |
| **Basic Flow** | **Steps** | |
| **1** | INCLUDE USE CASE Validate PIN. |
| **2** | ATM customer selects Withdrawal through the system |
| **3** | ATM customer enters the withdrawal amount through the system. |
| **4** | ATM customer selects the account number through the system. |
| **5** | The system VALIDATES THAT the account number is valid. |
| **6** | The system VALIDATES THAT ATM customer has enough funds in the account. |
| **7** | The system VALIDATES THAT the withdrawal amount does not exceed the daily limit of the account. |
| **8** | The system VALIDATES THAT the ATM has enough funds. |
| **9** | The system dispenses the cash amount. |
| **10** | The system prints a receipt showing transaction number, transaction type, amount withdrawn, and account balance. |
| **11** | The system ejects the ATM card. |
| **12** | The system displays Welcome message. |
| **Postcondition** | ATM customer funds have been withdrawn. |
| **Specific Alternative Flow** | **RFS Basic Flow 8** | |
| **1** | The system displays an apology message MEANWHILE the system ejects the ATM card. |
| ABORT | |
| **Postcondition** | ATM customer funds have not been withdrawn.  The system is idle. The system is displaying a Welcome message. |
| **Global Alternative Flow** | IF ATM customer enters Cancel THEN | |
| **1** | The system cancels the transaction MEANWHILE the system ejects the ATM card. |
| ABORT | |
| ENDIF | |
| **Postcondition** | ATM customer funds have not been withdrawn. The system is idle. The system is displaying a Welcome message. |
| **Bounded Alternative Flow** | **RFS Basic Flow 5-7** | |
| **1** | The system displays an apology message MEANWHILE the system ejects the ATM card. |
| **2** | The system shuts down. |
| ABORT | |
| **Postcondition** | ATM customer funds have not been withdrawn.  The system is shut down. |