Assignment 2

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Assembly Language

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**Use Case: Withdraw cash from ATM Scenario**

**Scope:** ATMs

**Level:** User Goal

**Primary Actor:** Person who needs to withdraw money from the ATM

**Stakeholders and Interest:**

* *Person who request a withdrawal from the ATM*:

Desires to withdraw money from his/her bank account

* *ATM:*

Requires to always having enough money to distribute

**Pre-conditions:**

ATM has enough money for withdrawal

User has an account with bank’s ATM

User has enough money to withdraw

User enters the quantity in the correct format

**Success Guarantee - Post conditions:**

User is able to withdraw money without any inconvenience

**Main Success Scenario**

1. The user insert its card into the ATM and enter his PIN to validate him access into his account
2. User selects the option of withdrawal from the Options menu
3. User enters the amount to be withdrawal in multiples of $20
4. ATM provides cash to user and also prints a receipt of the transaction

**Extensions**

1. At validation time, User enters the wrong PIN
2. Error message generated requesting the user to re-enter correct PIN
3. If PIN is incorrectly enter it three times account gets freeze for 24 hrs.
4. At withdrawal time, User does not have enough money on account
5. Error message generated explaining that the user does not have enough funds
6. User is asked to enter a different amount that corresponds with his current funds
7. At withdrawal time, ATM does not have enough money to satisfy the user needs
8. Error message generated explaining that the ATM does not have enough funds
9. User is asked to withdraw lower amount of money
10. User is indicated where is the closest ATM with enough money for his transaction
11. At any time, User cancels transaction
12. Operation is cancelled and user is asked to re-enter PIN if other transaction is desired