

Name of Use Case: Withdraw Money

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Date Created: 04/04/2017

Last Revision Date: 04/04/2017

Description: Bank Customer accesses an ATM machine and requests to withdraw money.

Actors: Bank Customer, Bank

Preconditions:

1. Customer has a debit card
2. Customer knows their PIN
3. Customer has sufficient funds in account
4. ATM is currently working thanks to maintenance by Third-party Administrator
5. ATM has money

Postconditions:

1. Customer receives amount requested to withdraw
2. Customer's account is reduced by amount taken

Flow:

1. Customer Inserts Debit Card
2. Customer is Identified using their PIN (verified by The Java Bank)
3. Customer selects account from which to withdraw
4. Customer enters amount
5. The Java Bank confirms funds in the account
6. Customer receives the money
7. Debit card is returned to the customer

Alternative Flows:

1. In step 2 of the normal flow, if the PIN is wrong
 1. Machine indicates that the PIN is wrong and asks for it again
 2. Flow continues as normal if PIN is entered correctly
 3. If wrong too many times, ATM will retain the card
2. In step 5 of the normal flow, if there are insufficient funds in account
 1. ATM displays warning that indicates insufficient funds and customer is asked to re-enter an amount
 2. Once correct amount is entered, flow continues as normal.

Exceptions:

1. In step 2 of the Alternative Flows, if customer is allowed to withdraw funds that exceed account funds

1. ATM will display warning of OverDraft Fee
2. Customer will accept and receive funds requested

Requirements:

Customer must be verified prior to receiving any funds or viewing any account information.