Especificação de Caso de Uso: Automated Teller Machine

Autor: Humberto Ferreira da Luz Junior.

Descrição: This use case describes how the Bank Customer uses the ATM to withdraw money to his/her bank account.

Pré-condições

1. There is an active network connection to the Bank.

2. The ATM has cash available.

Pós-condições

1. The user has received their cash and the internal logs have been updated.

2. The logs have been updated accordingly.

Requisitos Especiais

1. The ATM shall dispense cash in multiples of $20.

2. The maximum individual withdrawal is $500.

3. The ATM shall keep a log, including date and time, of all complete and incomplete transactions with the Bank.

Fluxo Básico

1. The ATM displays the different alternatives that are available on this unit. In this case the Bank Customer always selects "Withdraw Cash".

2. The ATM prompts for an account. See Supporting Requirement SR-yyy for account types that shall be supported. The Bank Customer inserts the required data and its account is validated.

3. The ATM prompts for an amount and the Bank Customer enters an amount. The amount is validated (it verifies if there is enough money available).

4. The Bank Customer is prompted to insert his bank credentials, which are validated.

5. Then money is dispensed.

6. The receipt is printed and the use case ends successfully.

Fluxos Alternativos

1. Wrong Amount

1. If in step 7 in the basic flow, the Bank Customer enters an amount that can't be 'created' with the kind of in the ATM. See Special Requirements for valid amounts.

2. The ATM shall display a the message indicating that the amount must be a multiple of the bills on hand, and ask the Bank Customer to reenter the amount. The use case resumes at step 7.

2. Invalid User

1. If in step 7 in the basic flow, the Bank Customer enters an amount that can't be 'created' with the kind of in the ATM. See Special Requirements for valid amounts.