Aroofa Mohammad(aam170007)

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Professor Paulk

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A02 Use Case

**Use Case Title:** Deposit Check

**Scope:**

* ATM System, Deposit Subsystem
* The (sub)system under design.

**Level:**

* User goal
* Depositing money into customer’s bank account.

**Primary Actor:**

* Customer – Interacts with the ATM system.

**Stakeholders and Interests:**

* Customer – Responsible for depositing money into their account with an ATM.
* Banker – Responsible for receiving checks from ATM, restore receipt paper when out, and overall see if the ATM machine is functioning correctly.

**Preconditions:**

* Customer has a bank account.
* Customer has a debit card that the ATM machine will takes.
* Customer remembers their PIN
* Customer has a check or multiple checks that are signed in the back
* ATM machine is displaying the service menu.

**Success Guarantee (Postconditions):**

* The customer’s check that was deposit is added to their bank balance successful.
* A receipt was printed by the ATM for prove of the customer’s deposit.

**Main Success Scenario:**

1. Customer has access to an ATM.
2. Customer provides the ATM with a bank debit card.
3. Customer will enter the (memorized) PIN for their bank account.
4. Customer chooses the “Deposit” option.
5. Customer will decide which account they would like deposit their check into either saving or checking with the “SAVING” or “CHECKING” option.
6. Customer provides the ATM with a check while the ATM logs the check provided.
7. Customer will confirm the dollar amount.
8. The ATM will provide the customer a receipt.
9. Customer takes their bank card and receipt for confirmation of the transaction.

**Extensions:**

\*a. Power failure / Network outages

1. The customer is asked to contact their bank to see whether the transaction was completed after 24 hours.
2. Banker updates all checks received that day with the ATM system’s check log.

2a. Customer’s bank account is not valid so the ATM system will fail.

1. Customer should return with a debit card that the ATM with take or pick an ATM that takes their card.

3a. Invalid PIN

1. The invalid PIN will be reported in the system
2. The customer will be asked to reenter the correct PIN
3. The customer fails three times to enter the correct PIN resulting in the card being blocked from making any transaction
4. The ATM screen displays that the customer should contact their bank to unblock their card.

6a. ATM is unable to read the check a customer provided.

1. The ATM will return the check back to the customer
2. The ATM screen displays to the customer that the check was unreadable

7a. Customer does not confirm the dollar amount on the check

* + 1. The ATM with return the check to the customer

8a. ATM runs out of receipt paper

1. Customer informs the banker
2. The banker will restore the receipt paper
3. The ATM prints the customer's receipt

**Special Requirements:**

* The ATM has touch screen UI for the customer to interact with the system will size text that is visible
* The debit card authorization response within 30 seconds 80% of the time.
* The ATM system is built to support multiple languages.

**Technology and Data Variations List:**

* Varying I/O methods and data formats.
* Interface with ATM system

**Frequency of Occurrence:**

* Continuous

**Miscellaneous (Open Items):**

* Ignore how cash will be deposited