

Software Engineering

Use cases



October 27, 2017

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**Q#1: Explain about relationships in the above use case?**

**Answer:**

**Include:** include relationship is linking the session [login] to the transaction and then links with balance inquiry, cash deposit, withdrawal and transfer actions.

**Extend:** Extend is linking the invalid pinto the transaction unit and allow the user enter pin the times only. When the bank reports that the customer’s transaction is disapproved due to an invalid PIN. If the customer fails three times to enter the correct PIN, the card is permanently retained.

**Q#2**: **Does this use case model require any modifications?**

**Answer:** In above use case it does not require any modifications.

**Q#3** **Write descriptive use case for withdrawal use case**.

**Answer:**

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| --- | --- | --- |
| **Primary Actor** | Customer | |
| **Goal** | | To withdraw cash/money. |
| **Pre Conditions** | | 1. Customer Have an account. 2. An ATM card. 3. Having Enough Balance. |
| **Trigger** | | 1-Customer Enters ATM Card.  2-Withdraw Some Amount. |
| **Scenario** | | 1-Insert Card.  2-Enter Pin.  3-If enters 3 times invalid pin System should .Lock/Suspend its Account and returns Card.  4-If pin is correct a menu is displayed.  5-Customer Has to enter an amount to withdraw.  6-Atm releases the due Amount with balance Inquiry Statement.  7-System shall logouts the customer session. |
| **Exceptions** | | 1. ATM is not Working/Link Down/Server Error. 2. ATM has low amount of Cash. 3. ATM Card is expired. |