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| **Use Case Name** | Transfer Money | |
| **Scenario** | Customer Transfer Money using ATM Machine | |
| **Triggering Event** | Customer wants to Transfer Money using ATM Machine | |
| **Brief Description** | Customer input pin number, amount of money, destination account, then system will transfer the amount of money | |
| **Actors** | Customer | |
| **Related Use Cases** | Update Account Balance Inquiry | |
| **Stakeholders** | Customer, Data Analyst, Manager, Everyone who has ATM Kong Bu Bank Card | |
| **Precondition** | Customer must at the Location contains ATM Machine,  Customer must have bank account and ATM Machine Card,  Balance Inquiry must more than amount of money that customer wants to transfer | |
| **Postcondition** | Transfer amount of money to destination account succeed | |
| **Flow of Events** | **Customer** | **ATM Machine System** |
| 1. Insert ATM Machine Card 2. Type Pin Number 3. Enter the Pin Number 4. Choose Transaction that Customer want to do 5. Chooose Transfer Transaction 6. Input the amount of money   7. Enter the destination account  8. Choose exit | * 1. Process Customer ATM Machine Card   2. Asking Customer Pin Number   3.1 Process Customer Pin Number  3.2 Suggest transaction to Customer  5.1 View Input the amount money menu  6.1 Process the amount of transfer  6.2 Asking for the destination account  7.1 Check the transfer destination  7.2 Process the transfer transaction  7.3 Successfully transfer transaction  7.4 Suggest another transaction  8.1 Process Customer Request  8.2 Output the Customer’s ATM Machine Card |
| **Exception Condition** | 3.1 If the Pin Number Incorect, show error message, repeat to step 1.2  6.1 If the amount that Customer wamt to transfer is incorrect, repeat to step 6  7.1 If the transfer destination invalid, repeat to step 7  8 If the customer choose another transaction, repeat to step 4 | |

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| **Use Case Name** | Deposit Money | |
| **Scenario** | Teller Service Deposit Customer’s Money | |
| **Triggering Event** | Teller want to Deposit Customer’s Money | |
| **Brief Description** | Teller verify bank account, input amount of Customer’s money, Teller insert the data into the system, then system will insert the amount of money to the Customer’s bank account | |
| **Actors** | Teller | |
| **Related Use Cases** | Update Account Balance Inquiry, View Teller Service Menu | |
| **Stakeholders** | Customer, Data Analyst, everyone who wants to deposit their money, Manager | |
| **Precondition** | Customer Account must be verified in Database  Customer must be the owner or a family member of the owner of bank account that want to be deposited. | |
| **Postcondition** | Deposit amount of money to bank account succeed  Transfer money, withdraw money, or pay pulse and electric pulse | |
| **Flow of Events** | **Teller** | **System** |
| 1. Asking for teller Service  2. Accepting Customer Request  3. Get the system ready  4. Analyze account ownership  5. Customer authorized to Deposit into this account  6. Teller input the customer account identity and pin number to the system  7. Choose Deposit Money Transaction menu  8. Accepting Customer Money  9. Count Customer money  10. Collect Customer Money  11. Input the amount of Customer Money into System | 3.1 Processing System Menu  5.1 View Verify Account Menu  6.1 System Process the Customer identity and pin number  6.2 Account verified  6.3 The system will suggest transaction  7.1 Processing deposit menu transaction request  7.2 View Asking for the amount of Money Menu  11.1 Processing the amount of Money  11.2 Processing the deposit Money to Customer Account  11.3 Deposit Money Succeed |
| **Exception Condition** | 4 If this account is not your account and not your siblings account, you are not authorized to deposit into this account  6.1 If the verifying process of Customer identity and pin number unsucceed, return to step 5.1  9. If the amount of money not enough to do the deposit, to step 8 again. | |

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| **Use Case Name** | Create Individual Account | |
| **Scenario** | Customer Service Create Customer Individual Account | |
| **Triggering Event** | Customer want Service Create Customer Individual Account | |
| **Brief Description** | Customer Service Accept Customer Request. Then Customer Service will create new Individual Account. | |
| **Actors** | Customer Service | |
| **Related Use Cases** | Create saving account, Create deposit account, View Create Main Account Menu, Create Business Account, View Customer Service Menu. | |
| **Stakeholders** | Customer, Data Analyst, everyone who wants to create bank account, Manager | |
| **Precondition** | Customer must being served by Customer Service,  Customer must prepare initial deposit for new bank account  If Customer age is above 15, then Customer need to have individual regular account that act as Guardian | |
| **Postcondition** | Customer have new Individual Regular Account  Customer can do bank account activity such as transfer, deposit, pay bills, transfer to virtual account, withdraw money, etc | |
| **Flow of Events** | **Customer Service** | **System** |
| 1. Accepting Customer Request  2. Get the system ready  3. Choose Create Bank Account  4. Choose Individual Account  5. Check Customer Age  6a. Choose Student Account  6b. Choose Regular Account  7a. Input the Individual Regular Account ID (as Guardian)  8a. Verified the Individual Regular Account ID  9. Input Customer data to the system  10. Give the Customer an ATM Machine Card, Pin Number, & Account Number  11. Count the Customer’s Amount of Money.  12. Collect the Customer’s Amount of Money.  13. Input the amount of money to the system | 2.1 Processing System Ready  2.2 Suggesting Menu System  3.1 Processing Request  3.2 Suggesting Account Type  4.1 Processing Create Individual Account Request  4.2 Suggesting Regular Account / Student Account  8a.1 Create Student Account Menu  8b.1 Create Regular Account Menu  8a.2 Fill the Individual Regular Account Data First (As Guardian)  Merge(8a.2, 8b.1)  8.1 View New Account Form Data Menu  9.1 Processing the Customer data.  9.2 Generate Account Number & Pin Number  9.3 Registering New Account to Database  9.4 Generate ATM Machine Card  9.5 View Creating new Account Succeed Menu  10.1 View initial deposit for new account Menu  13.1 Processing the amount of money  13.2 Inserted the amount of money Succeesfully |
| **Exception Condition** | 5 If the customer age above 15 years old, continue to 6b, else continue to 6a.  8a. If the Individual Regular Account not verified, return to 7a. | |

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| **Use Case Name** | Request Firing | | |
| **Scenario** | Human Resource Management Team request firing to the manager | | |
| **Triggering Event** | Human Resource Management Team want to send a request of firing to the manager | | |
| **Brief Description** | Human Resource Management Team (HRM) send a request firing to the manager and upload the evidence in the system, If the manager approve it, then the employee which is being requested will be fired soon. | | |
| **Actors** | Human Resource Management Team, Manager | | |
| **Related Use Cases** | Collect the Evidence | | |
| **Stakeholders** | Human Resource Manager Team, Manager, Data Analyst | | |
| **Precondition** | Human Resource Manager Team must collect enough evidence to prove why the employee should be fired. | | |
| **Postcondition** | If the Manager approved the request, then the employee if fired.  Else the Manager command to close the case | | |
| **Flow of Events** | **Human Resource Management Team** | **System** | **Manager** |
| 1. Request Firing to the Manager  2. HRM Team will input Employee Fired Candidate data to the system.  3a. Receive the rejection notification from the manager.  3b. Receive the approval notification from the manager  4b. Collect the strong evidence  5b. Input the evidence to the system  6b. Receive Firing Command notification from the Manager  7b. Tell the employee that he / she is already fired by Manager  8a. Delete the Employee Firing Candidate data.  8b. Delete the Employee data in Kong Bu Bank System | 2.1 Process the employee data.  2.2 Waiting for manager acceptance  2.3 View employee violation score  2.4a Send notification to HRM Team to close the case.  2.4b Send notification to HRM Team to collect strong evidence.  5.1b Process the evidence and send it to the manager  5.2b View the evidence  5.3b Send Notification to HRM Team to fired the employee  8.1a Employee Firing Candidate Data deleted.  8.1b Employee Data Successfully Deleted  Merge (8.1a, 8.1b) | 2.2.1 Manager will get notification  2.2.2 Manager will read the notification  2.2.3 Manager will check the employee violation score  2.3.1 Analysist employee Violation Score  2.3.2a Ask HRM Team to close the case  2.3.2b Ask HRM Team to give strong evidence  5.1.1b Receive the evidence  5.1.2b Choose to show evidence  5.2.1b Analys the evidence  5.2.2b Command to fired the employee |
| **Exception Condition** | 2.3.1 If the Manager accept the request, continue to 2.3.2b. Else continue to 2.3.2a.  5.2.1b If the employee not worth to be fired, then return to step 2.3.2a. | | |

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| **Use Case Name** | Maintain Broken Item | | | |
| **Scenario** | Security and Maintenance Team maintain the Broken Item | | | |
| **Triggering Event** | Security and Maintenance Team wants to maintain the Broken Item | | | |
| **Brief Description** | Manager report for Broken Item, Security and Maintenance Team handle the Broken Item, Broken Item Repaired or usable again | | | |
| **Actors** | Manager, Security and Maintenance Team, Finance Team | | | |
| **Related Use Cases** | View Item, View Broken Item, Update Item, Update Broken Item, Delete Item, Delete Broken Item, Reqeust Expenses for Item Maintenance and Repait, View Repairing and Maintaining Menu. | | | |
| **Stakeholders** | All Employee, Manager, Data Analyst, Finance Team, Security and Maintenance Team | | | |
| **Precondition** | There is broken Item that wants to reported it  If the broken item can’t fixed, They have to get Finance Team approval for using Companies’ money to buy the new one | | | |
| **Postcondition** | * Broken Item Repaired * New Item Arrived * Broken Item usable again | | | |
| **Flow of Events** | **Manager** | **System** | **Security and Maintenance Team** | **Finance Team** |
| 1. Found the broken Item  2. Input the broken Item and the Location in the system | 2.1 Send notification to Security and Maintenance Team  2.2 Processing the Broken Item Data  2.3 Inserted the Broken Item Data into the List Of Broken Item  2.4b Send Request to Finance System  2.5a  Notification Approved Sent it to Security and Maintenance Team  2.5b  Notification Rejection Sent it to Security and Maintenance Team  2.6a Processing the Update of the repaired broken Item Data  2.6b Processing the new Item Data  2.7a Updated the new Item Data Success  (**END**)  2.7b Inserted the new Item Data  2.8b Processing the Delete of the old Broken Item Data  2.9b Deleted the Old Broken Item Data  (**END**)  **END Step**  **Merge (2.7a , 2.9b , 2.5b.2, 2.3.2)** | 2.1.1 Receive the Notification.  2.1.2 Check Broken Item Data  2.1.3 Inserted Broken Item Data to the List of Broken Item  2.3.1 Come to the Broken Item Location.  2.3.2 Try to fix the Broken Item  2.3.3b Request Expenses for Maintaing / Repairing / Buying New Item to Finance Item  2.3.4b Input Request Expenses to the system  2.5a.1  Received Approved Notification  2.5b.1  Received Rejection Notification  2.5a.2  Meet the Finance Team  2.5b.2  Item Can’t repaired because lack of budget (**END**)  2.5a.3  Repaired the Item  2.5a.4a  Update the broken Item Data  2.5a.4b  Insert the new Item Data  2.7b.1 Delete the old broken Item Data | 2.4.1b Receive Request  2.4.1b.1a Manage the Budget  2.4.1b.1b  Send Notification Rejected  2.4.1b.2a  Send Notification Approved  2.5a.2.1  Give The Budget to Security and Maintenance Team |
| **Exception Condition** | 2.3.2 If the broken Item can’t fixed, continue to step 2.3.3b. **But if the Item can fixed, Continue to END Step**  2.4.1b If the Request approved, continue to step 2.4.1b.1a, But if the Request Rejected, then continue to step 2.4.1b.1b  2.5a.3 If the Item is Repaired, continue to step 2.5a.4a, But if the Item is New, then continue to step 2.5a.4b | | | |