Use Case Name	Withdraw Money	
Description	This use case describes how an ATM user withdraw money from his/her account	
Actors	ATM User, Banking System	
Preconditions	The ATM is operational. The bank customer has a card to insert into the ATM.	
Post Conditions	The bank customer has received their cash (and optionally a receipt). The bank has debited the customer's bank account and recorded details of the transaction.	
Main Flow of Events	User Action	System Response
		1. Include:: (Validate ATM User)
		2. System prompts for the service option
	3. User selects "Withdraw Money" option	4. System prompts for account type
	5. User selects account type	6. System prompts for the amount
	7. User enters the amount	8. System checks whether the amount is in correct format (100s)
		9. System verifies the amount does not exceed the daily withdrawing limit
		10. System verifies sufficient funds in customer bank account
		11. System verifies that it has enough cash in its hopper
		12. Include:: (Authenticate transaction)
		13. System dispenses the cash
		14. System displays the balance
		15. System prompts for print receipt choice
	16. User selects Yes	17. Extend:: (Print Receipt)
		18. System returns the card
		19. Use Case ends
Alternative Flows	9.a.1. The user tries to withdrawal cash above daily withdraw limit 1. The system will display error message that explains the daily withdrawal limit. 2. The system asks the customer to enter a smaller amount 3. The use case returns to step 6 and continues	
	10.a.1. The user does not have sufficient funds in the bank account 1. The system will inform the customer that the bank has rejected the withdrawal 2. The system will advise the user to contact the bank for further details. 3. The system will record a transaction log entry for the transaction including the reason given for the transactions rejection.	

	4. System returns the card 5. The use case ends
	11.a.1. The ATM hopper does not have sufficient cash 1. The system will display error message 2. The system will display the maximum available withdraw limit on cash. 3. The system will create an event log entry to record the fact that the ATM has run out of cash. 4. The system will send the event log entry to the bank. 5. The user will enter a smaller amount. 6. The use case returns to step 6 and continues.
	13.a.1. The cash stuck in the ATM 1. The ATM will beep to alert the customer. 2. The ATM will capture a 15 second video image of the customer. 3. The ATM will create an event log entry to record the fact that there has been a dispensing error. 4. The system will send the event log entry to the bank. 5. The ATM will explain the machine malfunction to the user. 6. The ATM will ask the customer to speak to bank staff. 7. The ATM will disable the withdraw cash service option. 8. The use case ends.
	18.a.1. The card stuck in the ATM. 1. The ATM will beep to alert the user 2. The ATM will capture a 15 second video image of the customer. 3. The ATM will create an event log entry to record the fact that a card has been retained because it became stuck in the card reader. 4. The system will send the event log entry to the bank. 5. The ATM will explain the machine malfunction to the user. 6. The ATM will ask the customer to speak to bank staff. 7. The ATM will disable itself. 8. The use case ends.

Use Case Name	Validate ATM User	
Actor	ATM User	
Precondition	The ATM is operational. The bank customer has a card to insert into the ATM.	
Main Flow of Events	User Action	System Response
	1. User enters his/her bank card	2. The system verifies that the card is a valid bankcard
		3. The system requests a PIN code
	4. The user enters the PIN code	5. The system validates the bankcard against the PIN code
		6. Use Case ends
Alternative Flows	2.a.1. The user has an invalid card. This can be caused because of the condition of the card i.e. card is either broken, bent or magnetic stripe/computer chip is damaged or the encoded data is erased, blocked or not authorized account, inactivated card and/or wrongly inserted card i.e. card is upside down. 1. The system will display error message 2. The system will eject the card 3. The user will take the card 4. The use case returns to step 1 and continues	
	5.a.1. The user enters an invalid PIN 1. The system will indicate that the wrong PIN has been entered 2. The system will log and check number of tries 3. The system will ask the user to enter the PIN again 4. The use case returns to step 3 and continues	
	5.a.1.3. The user exceeds the number of PIN tries 1. The system will retain the user's card 2. The system will capture a 10-second video image of the user 3. The system will create an event log entry to record the fact that the customer failed to enter the correct PIN number in three attempts. 4. The system will send the event log entry to the bank system. 5. The use case ends	