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ATM Deposit Use Chart & Sequence Chart

	Action Performed by the Actor		Responses from the System
1	Inserts debit card into the 'Insert Card' slot		
		2	Asks for PIN number
3	Enters PIN number		
		4	Verifies the PIN. If the PIN is invalid, displays an error and goes to Step 14. Otherwise, asks whether withdrawal or deposit
5	Enters deposit		
		6	Asks to choose the account you wish to deposit into.
7	Select account		
		8	Verify account exists. If account doesn't exist, displays an error and goes to Step 14. Otherwise, asks the amount you are depositing
9	Enters deposit amount		
		10	Will notify customer it is okay to insert form of currency
11	Insert currency		
		12	Processes that currency is authentic
		13	Updates account balance
		14	Ejects card
15	Takes card		

ATM Machine	Bank Account	Accounts

Customer

Insert ATM Card →

← Ask for PIN

PIN →

verifyAccount(cardNumber) →

verifyAccount (card number)

← account

[account not null] verifyPIN [cardNumber, PIN] →

verifyPIN (cardNumber, PIN)

← verifiedOrNot

[verified] Ask whether deposit or withdrawal →

[verified] Select deposit →

[verified] Asks which account to deposit into →

[verified] Select account →

[verified] retrieveAccount(accountNumber) →

retrieveAccount (account number)

[verified] Notifies to insert currency ← existentAccount

[verified] Insert currency →

[verified] Processes authenticity of currency →

[verified] Updates balance →

Displays new balance →

Ejects Card →