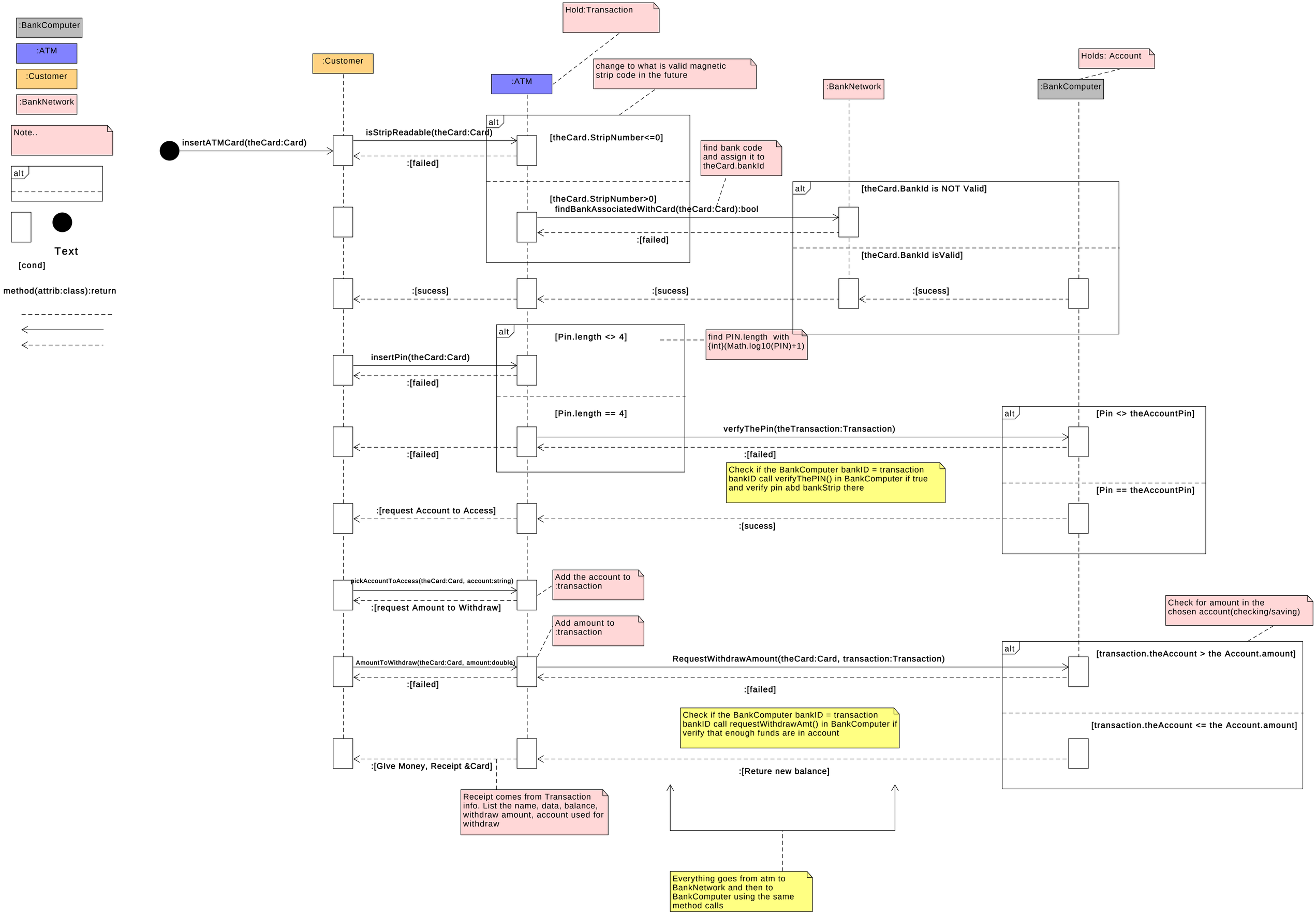
:BankComputer
:ATM
:Customer
:BankNetwork
Note..
alt
Text
[cond]
method(attrib:class):return
Hold:Transaction
:Customer
:ATM
change to what is valid magnetic strip code in the future
:BankNetwork
Holds: Account
:BankComputer
insertATMCard(theCard:Card)
isStripReadable(theCard:Card)
:[failed]
alt
[theCard.StripNumber<=0]
find bank code and assign it to theCard.bankId
[theCard.StripNumber>0]
findBankAssociatedWithCard(theCard:Card):bool
:[failed]
alt
[theCard.BankId is NOT Valid]
[theCard.BankId isValid]
:[sucess]
:[sucess]
:[sucess]
alt
[Pin.length <> 4]
find PIN.length with {int}(Math.log10(PIN)+1)
insertPin(theCard:Card)
:[failed]
[Pin.length == 4]
verfyThePin(theTransaction:Transaction)
:[failed]
:[failed]
Check if the BankComputer bankID = transaction bankID call verifyThePIN() in BankComputer if true and verify pin abd bankStrip there
alt
[Pin <> theAccountPin]
[Pin == theAccountPin]
:[request Account to Access]
:[sucess]
pickAccountToAccess(theCard:Card, account:string)
Add the account to :transaction
:[request Amount to Withdraw]
Add amount to :transaction
Check for amount in the chosen account(checking/saving)
alt
[transaction.theAccount > the Account.amount]
AmountToWithdraw(theCard:Card, amount:double)
RequestWithdrawAmount(theCard:Card, transaction:Transaction)
:[failed]
:[failed]
Check if the BankComputer bankID = transaction bankID call requestWithdrawAmt() in BankComputer if verify that enough funds are in account
[transaction.theAccount <= the Account.amount]
:[GIve Money, Receipt &Card]
:[Reture new balance]
Receipt comes from Transaction info. List the name, data, balance, withdraw amount, account used for withdraw
Everything goes from atm to BankNetwork and then to BankComputer using the same method calls