

Class
- field
+ methods

:TestATM

:BankComputer

:ATM

:Customer

:BankNetwork

:Card

:Transaction

:Account

:Account
<div>- banckID:int - customerName:string - actType:string - acctBalance:double - pin:int - acctNumber:int - stripNumber:int - acctNumberIncrementor:int (100000) static</div> <div>+ Account(banckId:int,customerName:string,actType:string,acctBalance:double,pin:int) + getBankID:int + getCustomerName():string + getAcctNumber():int + getAcctType():string + getAcctBalance():double + getAcctBalance(newAcctBalance:double):double + getPin():in + getStripNumber():int + generateStripNumber(bankId:int):int + generateAcctNumber(stripNumber:int, acctType:string):int</div>

:ATM
<div>friend :istream friend :ostream</div> <div>- networkBanksOnATM:BankNetwork - theTransaction:Trasaction</div> <div>+ ATM(newBankNetwork:BankNetwork) + isStripRedable(theCard:Card):bool + isATMCardBankInNetword(theCard:Card):bool + insertPin(theCard:Card, Pin:int):bool + pickAcctToAccess():void + amtToWithdraw():void + getTransactionInfo():void</div>

:Card
<div>- stripNumber:int - pin:int</div> <div>+ Card(strpNumber:int) + Card(pin:int,stripNumber:int) + getStripNumber():int + getPin():int + setPin():void + setStripNumber:void</div>

:Transaction
<div>- banckID:int - currentDateTime:string - customerName:string - acctBalance:double - withDrawalAmt:double - acctNumberUsed:int - pin:int - stripNumber:int - acctToWithdrawalFrom:int - didCardVerify:bool</div> <div>+ Transaction(stripNumber:int) + getBankId():int; + getCurrentDateTime():string + getCustomerName():string + setCustormerName(customerName:string):void + getPin():int + setPin(pin:int):void + getStripNumber():int + setStripNumber(stripNumber:int):void + setDidCardVerify(acctToWithdrawalFrom:int):void + getDidCardVerify():bool + setAcctToWithdrawalFrom(acctToWithdrawalFrom:int):void + getAcctToWithdrawalFrom():int + setWithdrawalAmt(withdrawalAmt:int):void + getWithdrawalAmt():double + getAcctBalance:double + setActBalance(newAcctBalance:double):void + getAcctBalance():double</div>

:BankComputer
<div>- bankID:int = 9 - bankName:string - accounts:vector<Account></div> <div>+ numberOfBanks:int =0 static</div> <div>+ BankComputer(newBankName:String) + getBankId():int + getBankName():string + addAccount(newAccount:Account):void + verifyTheStripNumber(theVard:Card):bool + verifyThePin(theTransaction:Transaction):bool + requestWithdrawAmt(theTransaction:Transaction):void</div>

:BankNetwork
<div>- bankInDatabase:vector<bankComputer></div> <div>+ BankNetwork() + isATMCardsInNetwork(theCard:Card):bool + verifyThePin(theTransaction:Transaction):bool + getFirstTwoDigit(stripNumber:int):int static + requestWithdrawAmt(theTransaction:Transaction):void</div>

:Coustomer
<div>- customerATMCard:Card</div> <div>+ Customer(newATMCard:Card) + getATMCard():Card</div>