[view sourceprint?](#)

```
001 ----------------------------------
002 :Account
003 ----------------------------------
004 - bankID:int
005 - acctNumber:int
006 - customerName:String
007 - acctType:String
008 - acctBalance:double
009 - pin:int
010 - stripNumber:int
011
012 - accountNumberIncrementor:int = 100000 (STATIC)
013
014 ----------------------------------
015 + Account(bankID:int, customerName:String, acctType:String, acctBalance:double, pint:int)
016
017 + getBankID():int
018 + getAcctNumber():int
019 + getCustomerName():String
020 + getAcctType():String
021 + getAcctBalance():double
022 + setAcctBalance(newAcctBalance:double):void
023 + getPIN():int
024 + getStripNumber():int
025
026 + generateStripNumber(bankID):int
027 + generateAccountNumber(stripNumber:int, acctType:String)
028
029 _____
030
031
032 ooooooooooooooooooooooooooooooooooo
033
034
035 ----------------------------------
036 :Card
037 ----------------------------------
038 - pin:int
039 - stripNumber:int
040
041 ----------------------------------
042 + Card(stripNumber:int):void
043 + Card(pin:int,stripNumber):void
044 + getPIN():int
```

```
045 + getStripNumber():int

046 + setPIN(pin:int):void

047 + setStripNumber(stripNumber:int):void

048

049 ---------------------------------

050

051

052 oooooooooooooooooooooooooooooooooo

053

054

055 ---------------------------------

056 :Customer

057 ---------------------------------

058 - customersATMCard:Card

059

060 ---------------------------------

061 + Customer(newATMCard:Card):void

062 + getATMCard():Card

063

064 ---------------------------------

065

066

067 oooooooooooooooooooooooooooooooooo

068

069

070 ---------------------------------

071 :BankComputer

072 ---------------------------------

073 - bankID:int = 9

074 - bankName:String

075 - accounts:ArrayList<Account>

076

077 + numberOfBanks:int = 0 (STATIC)

078

079 ---------------------------------

080 + BankComputer(String newBankName):void

081 + addAcctToBank(newAccount:Account):void

082 + getBankID():int

083 + verifyTheStripNumber(theCard:Card):boolean

084 + verifyThePIN(theTransaction:Transaction):boolean

085 + requestWithdrawalAmt(theTransaction:Transaction):void

086

087 ---------------------------------

088
```

```
089

090 ooooooooooooooooooooooooooooooooo

091

092

093 ---------------------------------

094 :BankNetwork

095 ---------------------------------

096 - banksInDatabase:ArrayList<BankComputer>

097

098 ---------------------------------

099 + addBankToNetwork(newBank:BankComputer):void

100 + isATMCardsBankInNetwork(theCard:Card):boolean

101 + getFirstTwoDigits(stripNumber:int):int (STATIC)

102 + verifyThePIN(theTransaction:Transaction):boolean

103 + requestWithdrawalAmt(theTransaction:Transaction):void

104

105 ---------------------------------

106

107

108 ooooooooooooooooooooooooooooooooo

109

110

111 ---------------------------------

112 :ATM

113 ---------------------------------

114 - theTransaction:Transaction

115 - networkOfBanksOnATM:BankNetwork

116 + userInput:Scanner (STATIC)

117

118 ---------------------------------

119 + ATM(networkOfBanksOnATM:BankNetwork)

120 + isStripReadable(theCard:Card):boolean

121 + isATMCardsBankInNetwork(theCard:Card):boolean

122 + insertPIN(theCard:Card, pin:int):boolean

123 + pickAcctToAccess():void

124 + amountToWithdrawal():void

125 + getTransactionInfo():void

126

127 ---------------------------------

128

129

130 ooooooooooooooooooooooooooooooooo

131

132
```

```
133 ---------------------------------
134 :Transaction
135 ---------------------------------
136 - bankID:int
137 - currentDateTime:Date
138 - customerName:String
139 - acctBalance:double
140 - withdrawalAmt:int
141 - acctNumberUsed:int
142 - pin:int
143 - stripNumber:int
144 - acctToWithdrawalFrom:int
145 - didCardVerify:boolean
146
147 ---------------------------------
148 + Transaction(stripNumber:int)
149 + getBankID():int
150 + getCustomerName():String
151 + setCustomerName(customerName:String):void
152 + getCurrentDateTime():String
153 + getPIN():int
154 + setPIN(pin:int)
155 + setStripNumber(stripNumber:int)
156 + getStripNumber():int
157 + setDidTheCardVerify(cardVerified:boolean):void
158 + getDidCardVerify():boolean
159 + setAcctToWithdrawalFrom(acctToWithdrawalFrom:int):void
160 + getAcctToWithdrawalFrom():int
161 + setWithdrawalAmt(withdrawalAmt:int):void
162 + getWithdrawalAmt():int
163 + getAccountNumberUsed():int
164 + setAcctBalance(newAcctBalance:double):void
165 + getAcctBalance():double
166
167 ---------------------------------
```