```
001 import java.text.DateFormat;
002 import java.text.SimpleDateFormat;
003 import java.util.Date;
004
005 public class Transaction {
006
007     // Formats the date of the transaction
008
009     DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
010
011     private int bankID;
012     private Date currentDateTime;
013     private String customerName;
014     private double acctBalance;
015     private int withdrawalAmt;
016     private int accountNumberUsed;
017     private int pin;
018     private int stripNumber;
019     private int acctToWithdrawalFrom;
020
021     // I decided to add verification that the card is allowed
022     // to access the bank accounts
023     private boolean didCardVerify = false;
024
025     public int getBankID() { return bankID; }
026     public String getCustomerName() { return customerName; }
027
028     public void setCustomerName(String customerName){
029
030         this.customerName = customerName;
031
032     }
033
034     // returns the current date and time as a String
035     public String getCurrentDateTime() { return
    dateFormat.format(currentDateTime); }
036
037     public int getPIN(){ return pin; }
038     public void setPIN(int pin){
039
040         this.pin = pin;
041
042     }
043
044     public void setStripNumber(int stripNumber){
045
046         this.stripNumber = stripNumber;
047
048     }
049
050     public int getStripNumber(){ return stripNumber; }
051
052     // Sets that the card has a valid stripNumber
053
054     public void setDidTheCardVerify(boolean cardVerified){
055
```

```
056             didCardVerify = (cardVerified)?true:false;
057
058         }
059
060         public boolean getDidCardVerify(){ return didCardVerify; }
061
062         // Gets sent a 1 for savings or a 2 for checking
063         // That number is added to the end of the accountNumberUsed
064
065         public void setAcctToWithdrawalFrom(int acctToWithdrawalFrom){
066
067             this.acctToWithdrawalFrom = acctToWithdrawalFrom;
068
069             this.accountNumberUsed = (stripNumber * 10) + acctToWithdrawalFrom;
070
071         }
072
073         public int getAcctToWithdrawalFrom(){ return acctToWithdrawalFrom; }
074
075         public void setWithdrawalAmt(int withdrawalAmt){
076
077             this.withdrawalAmt = withdrawalAmt;
078
079         }
080
081         public int getWithdrawalAmt(){ return withdrawalAmt; }
082
083         public int getAccountNumberUsed() { return accountNumberUsed; }
084
085         public void setAcctBalance(double newAcctBalance){
086
087             this.acctBalance = newAcctBalance;
088
089         }
090
091         public double getAcctBalance(){ return acctBalance; }
092
093
094         Transaction(int stripNumber){
095
096             bankID = BankNetwork.getFirstTwoDigits(stripNumber);
097
098             currentDateTime = new Date();
099
100             // Holds the account number minus either 1 for savings, or
101             // 2 for checking at the end until that is added by
102             // setAccountNumberUsed() below
103
104             accountNumberUsed = stripNumber;
105
106         }
107
108 }
```