```java
1 package application;
2
3 import java.sql.Date;
4
5
6 public abstract class Transaction {
7     public Date date;
8     public String title;
9     public Double amount;
10    public String Type;
11    public String description;
12    public String UserName;
13    public Boolean pending;
14
15    public Transaction() {
16    }
17
18    public Transaction(Date date, String title, Double amount, String type, String description, String userName , Boolean pending) {
19        this.date = date;
20        this.title = title;
21        this.amount = amount;
22        Type = type;
23        this.description = description;
24        UserName = userName;
25        this.pending = pending;
26    }
27    public Date getDate() {
28        return date;
29    }
30    public void setDate(Date date) {
31        this.date = date;
32    }
33    public String getTitle() {
34        return title;
35    }
36    public void setTitle(String title) {
37        this.title = title;
38    }
39    public Double getAmount() {
40        return amount;
41    }
42    public void setAmount(Double amount) {
43        this.amount = amount;
44    }
45    public String getType() {
46        return Type;
47    }
48    public void setType(String type) {
49        Type = type;
50    }
51    public String getDescription() {
52        return description;
53    }
54    public void setDescription(String description) {
55        this.description = description;
56    }
57    public String getUserName() {
```

```java
58          return UserName;
59      }
60
61      public void setUserName(String userName) {
62          UserName = userName;
63      }
64      public Boolean getPending() {
65          return pending;
66      }
67
68      public void setPending(Boolean pending) {
69          this.pending = pending;
70      }
71      public abstract void showTransaction();
72      public abstract ArrayList<String> getCategoryOptions();
73
74 }
75
```