

```

01 package ControlLayer;
02 import ModelLayer.*;
03 import DBLayer.*;
04
05 import java.sql.Statement;
06 import java.util.ArrayList;
07
08 public class CTRTransfer
09 {
10     public CTRTransfer()
11     {
12     }
13
14
15
16     public ArrayList<Transfer> getAllTransfer()
17     {
18         IFDBTransfer dbtrans = new DBTransfer();
19         ArrayList<Transfer> allTrans = new ArrayList<Transfer>(
20         );
21         allTrans = dbtrans.getAllTransfer(false);
22         return allTrans;
23     }
24
25
26     public Transfer searchTransfersByCageId(int id)
27     {
28         IFDBTransfer dbtrans = new DBTransfer();
29         return dbtrans.searchTransfersByCageNo(id, true);
30     }
31
32
33     public ArrayList<Transfer> findTransfersByEmployeeId(int
34     employeeId)
35     {
36         IFDBTransfer dbtrans = new DBTransfer();
37         return dbtrans.findTransfersByEmployeeId(employeeId,
38         true);
39     }
40
41
42     public ArrayList<Transfer> findTransfersBydiseaseid(int
43     disId)
44     {
45         IFDBTransfer dbtrans = new DBTransfer();
46         return dbtrans.findTransfersBydiseaseId(disId, true);
47     }
48
49
50     public ArrayList<Transfer> findtransferByDate(String
51     transdate)
52     {
53         IFDBTransfer dbtrans = new DBTransfer();
54         return dbtrans.findtransferByDate(transdate, true);
55     }
56
57
58     /*
59     public int updateTransfer(int cageNo, int diseaseId, int
60     employeeId)
61     {
62         IFDBTransfer dbtrans = new DBTransfer();
63         Transfer trans = dbtrans.searchTransfersByCageNo(cageNo,
64         false);

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65         trans.setCage(new Cage(cageNo));
66         int diseaseValue = getDiseaseValue(trans);
67         if (diseaseValue == 1500)
68         {
69             trans.setBitedisease(new BiteDisease(diseaseId));
70         }
71         else if (diseaseValue == 1600)
72         {
73             trans.setPlasmadisease(new PlasmaDisease(diseaseId));
74         }
75         trans.setEmployee(new Employee(employeeId));
76         trans.setTransferDate(transferDate);
77         return dbtrans.updateTransfer(trans);
78     }
79 }
80 */
81
82 public int insertTransfer(int cageNo, int diseaseId, int
83 employeeId)
84 {
85     int rc = -1;
86     IFDBTransfer dbtrans = new DBTransfer();
87     Transfer transObj = new Transfer();
88
89     transObj.setCage(new Cage(cageNo));
90     if (diseaseId == 1600)
91     {
92         transObj.setBitedisease(new BiteDisease(diseaseId));
93     }
94     else
95     {
96         transObj.setPlasmadisease(new PlasmaDisease(diseaseId))
97         ;
98     }
99     transObj.setEmployee(new Employee(employeeId));
100
101     try
102     {
103         DbConnection.startTransaction();
104         rc = dbtrans.insertTransfer(transObj);
105         DbConnection.commitTransaction();
106     }
107     catch(Exception e)
108     {
109         DbConnection.rollbackTransaction();
110         System.out.println(e.getMessage());
111     }
112
113     return rc;
114 }
115
116
117 /*      public void insertTransfer(int transferId, int cageNo,
118 int diseaseId, int employeeId, String transferDate)
119 {
120     try
121     {
122         int rc = -1;
123         Transfer trans = new Transfer(
124             transferId,
125             cageNo,
126             diseaseId,
127             employeeId,
128             transferDate);

```

```

129
130         DbConnection.startTransaction();
131         DBTransfer dbtrans = new DBTransfer();
132         rc = dbtrans.insertTransfer(trans);
133         DbConnection.commitTransaction();
134     }
135     catch(Exception e)
136     {
137         DbConnection.rollbackTransaction();
138         System.out.println(e.getMessage());
139     }
140
141     return rc;
142 }
143
144 */
145
146 public int deleteTransfer(int cageNo)
147 {
148     int rc = -1;
149     IFDBTransfer dbtrans = new DBTransfer();
150     Transfer transObj = dbtrans.searchTransfersByCageNo(
151         cageNo, false);
152     if(transObj != null)
153     {
154         try
155         {
156             DbConnection.startTransaction();
157             rc = dbtrans.deleteTransfer(transObj);
158             DbConnection.commitTransaction();
159         }
160         catch(Exception e)
161         {
162             DbConnection.rollbackTransaction();
163             System.out.println(e.getMessage());
164         }
165     }
166
167     return rc;
168 }
169
170
171 } // end of class CTRTransfer.

```