

```

01 package ControlLayer;
02 import ModelLayer.*;
03 import DBLayer.*;
04
05 import java.util.ArrayList;
06
07 public class CTCage
08 {
09     public CTCage()
10     {
11
12     }
13     public ArrayList<Cage> getAllCages()
14     {
15         IFDBCage dbCage = new DBCage();
16         ArrayList<Cage> allCage = new ArrayList<Cage>();
17         allCage = dbCage.getAllCages(false);
18         return allCage;
19     }
20
21     public Cage findCage(int cageNo)
22     {
23         IFDBCage dbCage = new DBCage();
24         return dbCage.findCage(cageNo, true);
25     }
26
27     public void insertCage(int cageNo, String cageType)
28     {
29         Cage cageObj = new Cage();
30         cageObj.setCageNo(cageNo);
31         cageObj.setCageType(cageType);
32         try
33         {
34             DbConnection.startTransaction();
35             DBCage dbCage = new DBCage();
36             dbCage.insertCage(cageObj);
37             DbConnection.commitTransaction();
38         }
39         catch(Exception e)
40         {
41             DbConnection.rollbackTransaction();
42         }
43     }
44
45     public int updateCage(int cageNo, String cageType)
46     {
47         IFDBCage ifdbCage = new DBCage();
48         Cage cag = new Cage();
49         cag.setCageNo(cageNo);
50         cag.setCageType(cageType);
51         return ifdbCage.updateCage(cag);
52     }
53
54
55
56
57
58 }

```