```java
1 package webapplication.datalayer;
2
3 import java.sql.ResultSet;
13
14 /**
15  * @author Tobias
16  *
17  */
18 public class MySQLRaavareDAO implements RaavareDAO {
19     SQLMapper map = new SQLMapper();
20
21     public MySQLRaavareDAO(){
22         try { new Connector(); }
23         catch (InstantiationException e) { e.printStackTrace(); }
24         catch (IllegalAccessException e) { e.printStackTrace(); }
25         catch (ClassNotFoundException e) { e.printStackTrace(); }
26         catch (SQLException e) { e.printStackTrace(); }
27     }
28
29     @Override
30     public RaavareDTO getRaavare(int raavareId) throws DALException {
31         String statement = map.getStatement("ra_SELECT");
32         String[] values = new String[]{Integer.toString(raavareId)};
33         statement = map.insertValuesIntoString(statement, values);
34         System.out.println("Query: "+statement);
35         ResultSet rs = Connector.doQuery(statement);
36         try {
37             if (!rs.first()) throw new DALException("Raavaren " + raavareId + " findes
   ikke");
38             return new RaavareDTO (rs.getInt("raavare_id"), rs.getString("raavare_navn"),
   rs.getString("leverandoer"));
39         }
40         catch (SQLException e) {throw new DALException(e); }
41     }
42
43     @Override
44     public List<RaavareDTO> getRaavareList() throws DALException {
45         List<RaavareDTO> list = new ArrayList<RaavareDTO>();
46         ResultSet rs = Connector.doQuery(map.getStatement("ra_SELECT_ALL"));
47         try
48         {
49             while (rs.next())
50             {
51                 list.add(new RaavareDTO(rs.getInt("raavare_id"),
   rs.getString("raavare_navn"), rs.getString("leverandoer")));
52             }
53         }
54         catch (SQLException e) { throw new DALException(e); }
55         return list;
56     }
57
58     @Override
59     public void createRaavare(RaavareDTO raavare) throws DALException {
60         String statement = map.getStatement("ra_INSERT");
61         String[] values = new String[]{
62                 Integer.toString(raavare.getRaavareId()),
63                 raavare.getRaavareNavn(),
64                 raavare.getLeverandoer()
65             };
66         statement = map.insertValuesIntoString(statement, values);
67         System.out.println(statement);
68         Connector.doUpdate(statement);
```

```
69
70      }
71
72      @Override
73      public void updateRaavare(RaavareDTO raavare) throws DALException {
74          String statement = map.getStatement("ra_UPDATE");
75          String[] values = new String[]{
76                  raavare.getRaavareNavn(),
77                  raavare.getLeverandoer(),
78                  Integer.toString(raavare.getRaavareId())
79              };
80          statement = map.insertValuesIntoString(statement, values);
81          System.out.println(statement);
82          Connector.doUpdate(statement);
83
84      }
85
86 }
87
```