```java
1  package webapplication.datalayer;
2
3  import java.sql.ResultSet;
13
14 /**
15  * @author Frederik
16  *
17  */
18 public class MySQLReceptDAO implements ReceptDAO {
19     SQLMapper map = new SQLMapper();
20
21     public MySQLReceptDAO(){
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 ReceptDTO getRecept(int receptId) throws DALException {
31         String statement = map.getStatement("rec_SELECT");
32         String[] values = new String[]{Integer.toString(receptId)};
33         statement = map.insertValuesIntoString(statement, values);
34         System.out.println("Query: "+statement);
35         ResultSet rs = Connector.doQuery(statement);
36
37         try {
38             if (!rs.first()) throw new DALException("Recepten " + receptId + " findes
   ikke");
39             return new ReceptDTO (rs.getInt("recept_id"), rs.getString("recept_navn"));
40         }
41         catch (SQLException e) {throw new DALException(e); }
42     }
43
44     @Override
45     public List<ReceptDTO> getReceptList() throws DALException {
46         List<ReceptDTO> list = new ArrayList<ReceptDTO>();
47         ResultSet rs = Connector.doQuery(map.getStatement("rec_SELECT_ALL"));
48         try
49         {
50             while (rs.next())
51             {
52                 list.add(new ReceptDTO (rs.getInt("recept_id"),
   rs.getString("recept_navn")));
53             }
54         }
55         catch (SQLException e) { throw new DALException(e); }
56         return list;
57     }
58
59     @Override
60     public void createRecept(ReceptDTO recept) throws DALException {
61         String statement = map.getStatement("rec_INSERT");
62         String[] values = new String[]{
63                             Integer.toString(recept.getReceptId()),
64                             recept.getReceptNavn()
65                 };
66         statement = map.insertValuesIntoString(statement, values);
67         System.out.println(statement);
68         Connector.doUpdate(statement);
69
```

```
70        }
71
72        @Override
73        public void updateRecept(ReceptDTO recept) throws DALException {
74            String statement = map.getStatement("rec_UPDATE");
75            String[] values = new String[]{
76                          recept.getReceptNavn(),
77                          Integer.toString(recept.getReceptId())
78
79                  };
80            statement = map.insertValuesIntoString(statement, values);
81            System.out.println(statement);
82            Connector.doUpdate(statement);
83
84        }
85
86 }
87
```