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1 package Persistenz;
2
3 import java.sql.Connection;
12
13 public class DatabaseConnection implements IPersistenzService {
14
15     private Connection connect = null;
16     private String user = "myuser";
17     private String dbName = "test";
18     private String password = "";
19
20     public DatabaseConnection() throws TechnicalException {
21         try {
22             Class.forName("com.mysql.jdbc.Driver");
23             this.connect = DriverManager
24                 .getConnection("jdbc:mysql://localhost/" + dbName + "?"
25                     + "user=" + user + "&password=" + password);
26         } catch (ClassNotFoundException e) {
27             throw new TechnicalException();
28         } catch (SQLException e) {
29             throw new TechnicalException();
30         }
31     }
32
33     public void create(String query) throws TechnicalException {
34         try {
35             PreparedStatement preparedStatement = connect

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36         .prepareStatement(query);
37         preparedStatement.executeUpdate();
38     } catch (SQLException e) {
39         throw new TechnicalException();
40     }
41 }
42
43 public ResultSet readByStrAttribute(String value, String table, String attr)
44     throws TechnicalException {
45     try {
46         Statement statement = connect.createStatement();
47         String query = "select * from " + table + " where " + attr + " = "
48             + "'" + value + "'";
49         return statement.executeQuery(query);
50     } catch (SQLException e) {
51         throw new TechnicalException();
52     }
53     return null;
54 }
55
56 public ResultSet readByRawQuery(String query) throws TechnicalException {
57     try {
58         Statement statement = connect.createStatement();
59         ResultSet resultSet = statement.executeQuery(query);
60         return resultSet;
61     } catch (SQLException e) {
62         throw new TechnicalException();

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63     }
64     return null;
65 }
66
67 public void updateByRawQuery(String query) throws TechnicalException {
68     try {
69         PreparedStatement preparedStatement = connect
70             .prepareStatement(query);
71         preparedStatement.executeUpdate();
72     } catch (SQLException e) {
73         throw new TechnicalException();
74     }
75 }
76 }
77
78 }

```