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```
1 package model;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6
7 /**
8  * The Class DBConnection.
9  *
10  * @author Group 5
11  */
12 final class DBConnection {
13     /** The instance. */
14     private static DBConnection INSTANCE = null;
15
16     /** The connection. */
17     private Connection connection;
18
19     /**
20      * Instantiates a new DB connection.
21      */
22     private DBConnection() {
23         this.open();
24     }
25
26     /**
27      * Gets the single instance of DBConnection.
28      *
29      * @return single instance of DBConnection
30      */
31     public static synchronized DBConnection getInstance() {
32         if (DBConnection.INSTANCE == null) {
33             DBConnection.INSTANCE = new DBConnection();
34         }
35         return DBConnection.INSTANCE;
36     }
37
38     /**
39      * Open.
40      *
41      * @return the boolean
42      */
43     private Boolean open() {
44         final DBProperties dbProperties = new DBProperties();
45         try {
46             Class.forName("com.mysql.jdbc.Driver");
47             this.connection = DriverManager.getConnection(dbProperties.getUrl(), dbProperties.getLogin(), dbProperties.getPassword());
48         } catch (final ClassNotFoundException e) {
49             e.printStackTrace();
50         } catch (final SQLException e) {
51             e.printStackTrace();
52         }
53         return true;
54     }
55
56     /**
57      * Gets the connection.
58      *
59      * @return the connection
60      */
61     public Connection getConnection() {
62         return this.connection;
63     }
64 }
```

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