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Homework 5

Database Errors

1. Missing Database Driver

**dbError**: Problem getting driver:com.mysql.jdbc.Driver

This error can be fixed by making sure that the .jar files are added correctly into the libraries section of the project. The driver name also needs to be correct in DbConn.java to match the .jar files.

1. Database Unreachable

**dbError**: Problem getting connection:Communications link failure The last packet sent successfully to the server was 0 milliseconds ago. The driver has not received any packets from the server.

This error can be fixed by checking that the URL for the connection in DbConn.java is correct whether you are tunneling from home or working on the Temple server. You will also need to have the correct .jar files installed to connect to this URL.

1. Database Not Authorized

**dbError**: "Problem getting connection:Access denied for user 'tug43477'@'98-01-a7-b7-90-09.wireless.temple.edu' (using password: YES)"

This error can be fixed by making sure you have the correct username and password for your database stored in the DbConn.java file to log in to the database. You will also need to pass the string in the DBConn() function correctly.

1. Syntax error in SQL Statement

**errorMsg**: "Exception thrown in ResortView.getAllResorts(): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'web\_user ON resorts.web\_user\_id = web\_user.web\_user\_id ORDER BY resort\_id' at line 1”

This error can be fixed by checking the SQL statement for correct formatting in WebUserView.java or OtherView.java. Specifically, I left out the word JOIN from “FROM resorts LEFT JOIN web\_user ON resorts.web\_user\_id = web\_user.web\_user\_id”.

1. Error Extracting Data from Result Set (bad column name)

**errorMsg**: Exception thrown in model.webUser.StringData (the constructor that takes a ResultSet): Column 'ticket\_pric' not found.

This error can be fixed by making sure that you typed the column name correctly in the model.webUser.StringData or model.other.StringData java files.

1. Error Extracting Data from Result Set (wrong data type)

**resortName**: "bad Integer in FormatUtils:Whitetail Error:java.lang.String cannot be cast to java.lang.Integer"

This error can be fixed by making sure that you used the correct FormatUtils function that matches your SQL database data type in the model.webUser.StringData or model.other.StringData java file.