Trung Viet Nguyen

CIS 3308

Homework 4

1. **Error generation & handling**
2. Missing database driver

Message (From GlassFish log):

*Info: Error in DbConn. Problem getting driver:com.mysql.jdbc.Driver*

Solution: The error signals that I am missing the Database Driver jar file. To fix the error, I added the “mysql-connector-java-5.1.14-bin”, which contains the driver jar file, to my NetBeans project libraries (Right click Libraries and select Add JAR/ Folder).

1. Database unreachable

Message (From GlassFish log):

*Info: Error in DbConn. 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.*

Solution: The error happens when I try to access the database using my laptop, which do not have immediate access to MySql database management system. To fix the problem, I first used PuTTY to tunnel into the cis-linux2 network, and then run the JSP code again.

1. Database not authorized

Message (From GlassFish log):

*Info: Error in DbConn. Problem getting connection:Access denied for user 'tug57907'@'cis-linux2-priv.temple.edu' (using password: YES)*

Solution: The error happens when I try to access the database using the wrong password. To fix the error, I checked the dbAndPass string inside DbConn.java file and put in the correct password to my Sql database.

1. Syntax error in Sql Statement.

Message (From JSP Page):

*errorMsg: "Exception thrown in WebUserView.allUsersAPI(): 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 'SELEC web\_user\_id, user\_email, user\_password, membership\_fee, birthday, web\_user' at line 1"*

Solution: The error happens when I put in the wrong syntax for the Sql statement. To fix it, I checked my statement in the WebUserView.java file and made sure it is syntactically correct.

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

Message (From JSP Page):

*errorMsg: "Exception thrown in model.webUser.StringData (the constructor that takes a ResultSet): Column 'web\_user\_i' not found."*

Solution: The errors happens when I misspell a database’s column name in the StringData.java file. To fix the problem, I checked the code in the file and corrected the column name.

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

Message (From JSP Page):

*errorMsg: "Exception thrown in model.webUser.StringData (the constructor that takes a ResultSet): java.lang.Integer cannot be cast to java.lang.String"*

Solution: The error occurs when I use the wrong data type formatting method inside the StringData.java file. To fix the problem, I checked the code in the file and put in the correct data type formatting method.