1. **Missing Database Driver:**

I was able to generate this error by removing the MySql Driver, by removing the MySql Database Driver jar file.

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

1. **Database Unreachable:**

I was able to generate this error by not being tunneled into the Temple server. **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."

1. **Database Not Authorized:**

I was able to generate this error by not having the correct credentials typed into my database connection string (incorrect password).

**dbError**: "Problem getting connection:Access denied for user 'tuh40752'@'cis-linux2-priv.temple.edu' (using password: YES)"

1. **Syntax error in SQL Statement:**

To generate this error I caused a syntax error in the SQL statement by misspelling a keyword (ORDER → ORDR).

**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 'ORDR BY web\_user\_id' at line 1

I also generated this type of error by misspelling a table name in the SQL statement.

**errorMsg**: "Exception thrown in WebUserView.allUsersAPI(): Table 'FA19\_3308\_tuh40752.webUser' doesn't exist

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

I generated this kind of error by spelling a column name incorrectly in the StringData class constructor of the model package.

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

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

I generated this error by trying to convert the data for birthday from a date to a string using the wrong data formatting method in the StringData class constructor.

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