**HW5 - DATABASE RROR – TUYEN PHAM 915591991**

After running and studying the sample code for Web\_API, copy/paste the following list of errors into a word document:

1. ***Missing Database Driver:***

* How and where: removed the mysql-connector-java-5.1.14-bin jar file from libraries foler.
* Error message: “Problem getting driver:com.mysql.jdbc.Driver”.
* To fix this, simply add the MySQL Database Driver JAR.

1. ***Database Unreachable***

* How and where: occurs when you are at home and not tunneled into the school’s network
* Error message: “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”.
* To fix this, tunnel in whenever you are working from home (and not hooked in Temple’s network).

1. ***Database Not Authorized***

* How and where: occurs when the string you enter for the String dbAndPass variable in the DbConn.java file is incorrect.
* Error message: “Problem getting connection:Access denied for user ‘sallyk’@’%’to database ‘sallyk\_2308”.
* To fix this, simply make sure the connect string (database name, username and password) in DbConn.java is correct.

1. ***Syntax error in SQL statement***

* How and where: in the “otherView” and “webUserView” files, there is a variable sql. This error occurs when there is an error in syntax in sql statement. It might be happed if you forget a keyword or if you don’t have proper spacing or commas.
* Error message: “Exception thrown, messages is: Table ‘SP20\_2308\_sallyk.webUser’ doesn’t exist”.
* To fix this, make sure the syntax of the SQL statement is correct.

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

* How and where: occurs in the StringData.java files. If you type in the column name of one of the fields from the database table incorrectly you error this error.
* “Exception thrown in model.webUser.StringData (the constructor that takes a ResultSet): Uncompilable source code – cannot find symbol: variable webuserId”.
* To fix this, make sure the column names in StringData class constructors are correct.

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

* How and where: occurs in the StringData.java files. If you type in the format of data for one of the fields incorrectly, you will get the error.
* Error message: errorMsg: “bad date in FormatUtils.formatDate: Error: java.lang.String cannot be cast to java.util.Date”.
* To fix this, make sure the data types to convert to are correct.