

Generate the error and describe (in the word document) how and where you generated the error. The point of this exercise is for you to know how to fix these errors – to fix you just need to reverse what you did to break it.

1. Missing Database Driver



The error states that it tried getting into the driver called, "driver.com.mysql.jdbc.Dri" which is a nonexistent driver. Instead the driver should be called, "driver.com.mysql.jdbc.Driver". I got this error when I tried to access my server using a false driver name in the DBConn.java file in the source folder.

2. Database Unreachable



The error states that it tried getting connected into the server but has failed. To solve this error, I have to make sure I'm connected into my putty.

3. Database Not Authorized



The error states that it does not have access for the user meaning that it does not have authorization for accessing the information in the database. To solve this error, the user must make sure that they entered the correct information for the username and password.

4. Syntax error in SQL Statement

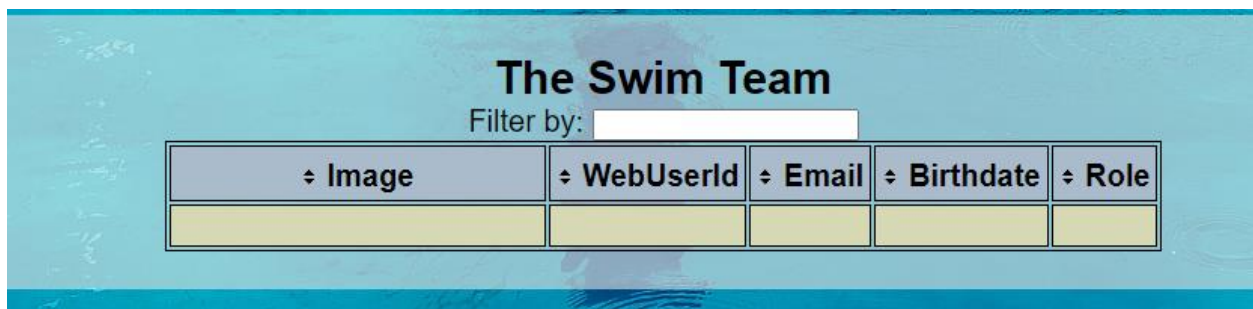
```
{
  dbError: "",
  - webUserList: [
    - {
      webUserId: "",
      userEmail: "",
      userPassword: "",
      image: "",
      birthday: "",
      membershipFee: "",
      userRoleId: "",
      userRoleType: "",
      errorMsg: "Exception thrown in WebUserView.getAllUsers(): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'web_user, user_role where web_user.user_role_id = user_role.user_role_id ORDER B' at line 1"
    }
  ]
}
```



This error happened when something in the code is misspelled or missing in String sql, this will affect the SQL Statement. To fix this, make sure the code is spelled correctly and in order.

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

```
{
  dbError: "",
  - webUserList: [
    - {
      webUserId: "",
      userEmail: "",
      userPassword: "",
      image: "",
      birthday: "",
      membershipFee: "",
      userRoleId: "",
      userRoleType: "",
      errorMsg: "Exception thrown in WebUserView.getAllUsers(): Column 'web_user' not found."
    }
  ]
}
```



This error happened when the column name in the result set is not found. To fix this, make sure that column name exists based on the information stored in the mySQL.

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

⚡ WebUserId

Not numeric bad String in FormatUtils:6. Error:java.lang.Integer cannot be cast to java.lang.String

This error happened when the data type of the column does not match with what the data type the MySQL gives. To fix this, you must change the data type to match with the MySQL datatype.