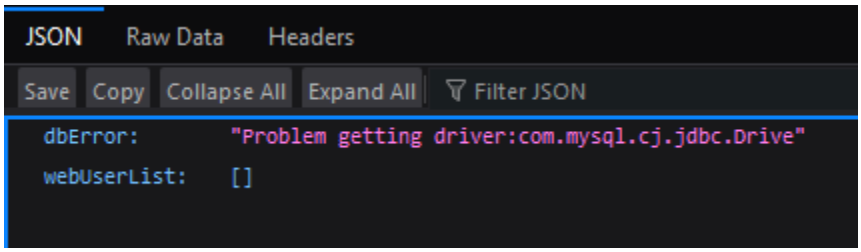
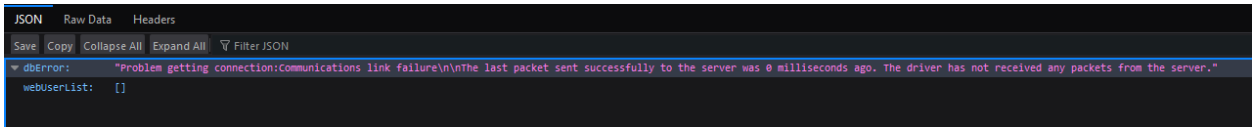
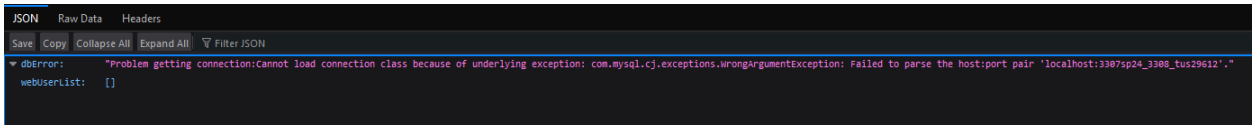
1. Missing Database Driver: I got this error by inputting the wrong database driver string in the database connection.

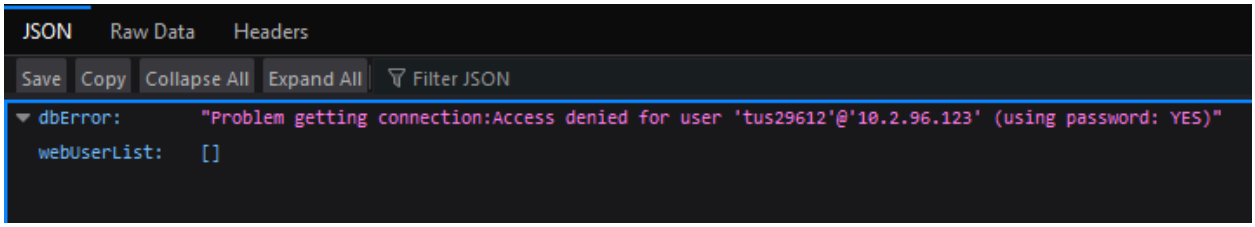


2. Database Unreachable: I got this error by inputting the wrong url for the database connection.

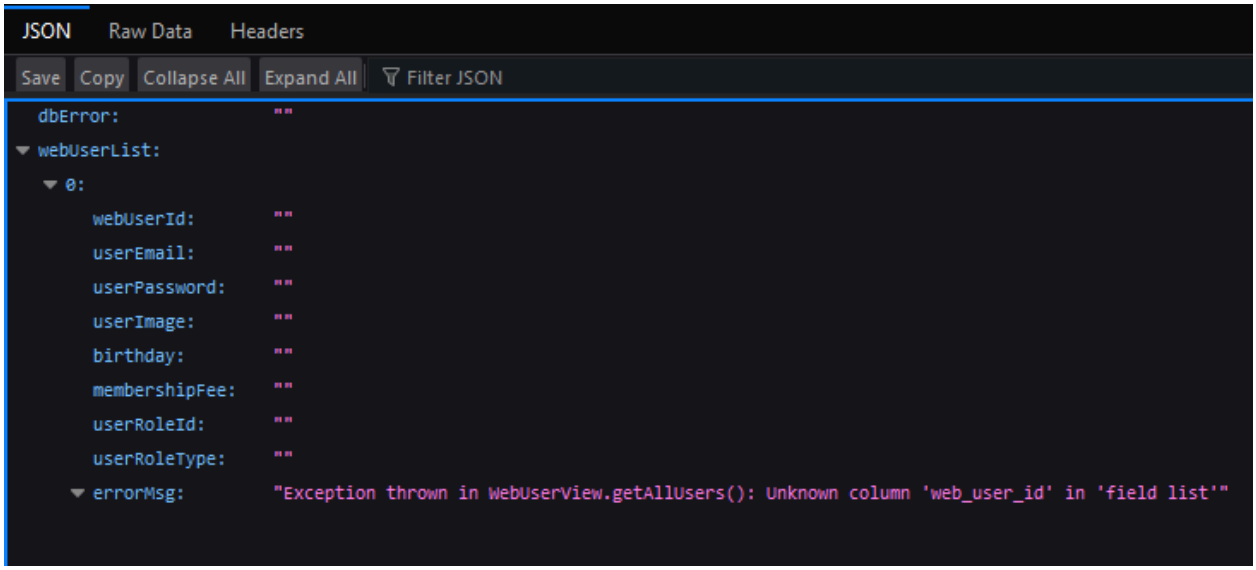




3. Database Not Authorized: I got this error by inputting the wrong database password in DbConn.

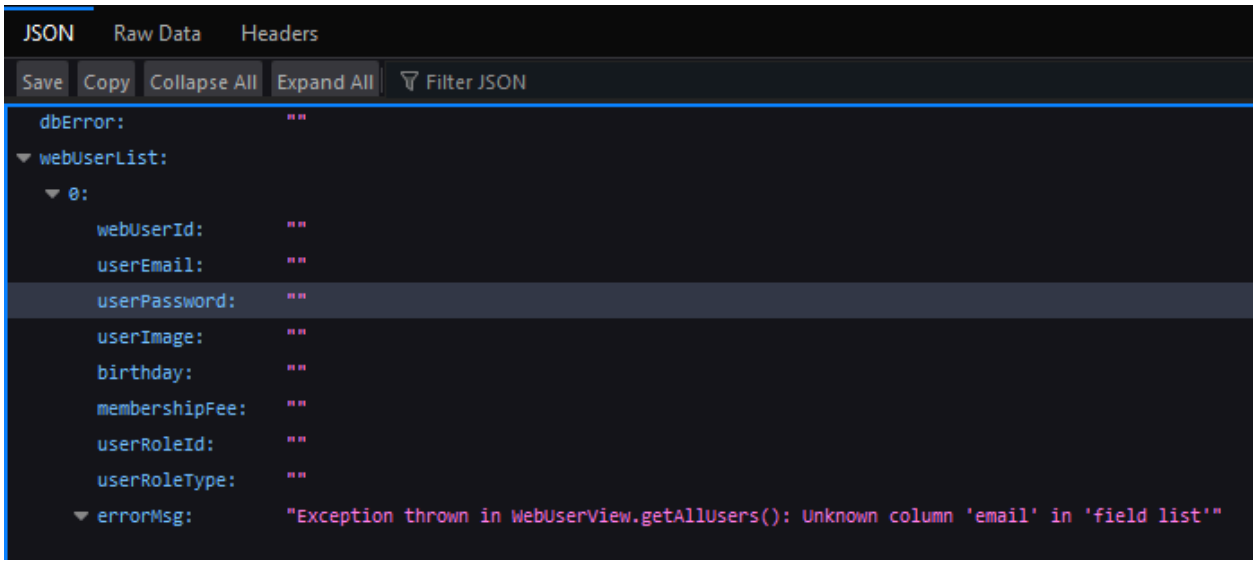


4. Syntax error in SQL Statement: I got this error by incorrectly spacing the FROM command from the SELECT field names.



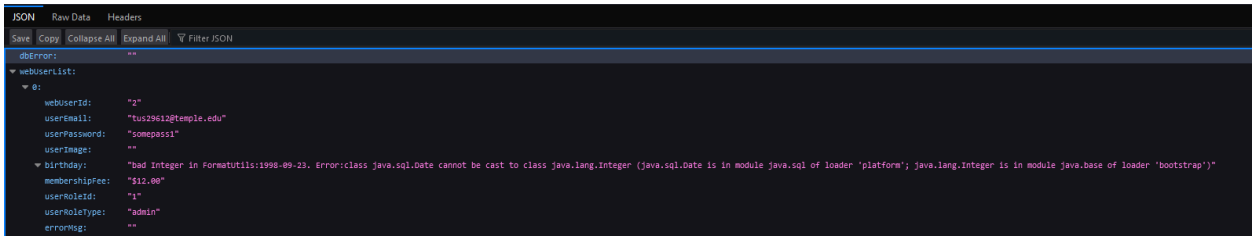

```
String sql = "SELECT web_user_id, user_email, user_password, user_image, membership_fee, birthday, "
        + "web_user.user_role_id, user_role_type"
        + "FROM web_user, user_role where web_user.user_role_id = user_role.user_role_id "
        + "ORDER BY web_user_id ";  // always order by something, not just random order.
```

5. Error Extracting Data from Result Set (bad column name): I got this error by using “email” as the column name in the SQL select statement when it should have been “user_email”.




```
String sql = "SELECT web_user_id, email, user_password, user_image, membership_fee, birthday, "
        + "web_user.user_role_id, user_role_type "
        + "FROM web_user, user_role where web_user.user_role_id = user_role.user_role_id "
        + "ORDER BY web_user_id ";  // always order by something, not just random order.
```

6. Error Extracting Data from Result Set (wrong data type): I got this error by formatting the data type for the “birthday” field incorrectly as an integer when it should have been a date.




```
    // API output (JSON data) and/or you'll see it on the page in the UI.

    sd.webUserId = Format.fmtInteger(results.getObject(columnLabel:"web_user_id"));
    sd.userEmail = Format.fmtString(results.getObject(columnLabel:"user_email"));
    sd.userPassword = Format.fmtString(results.getObject(columnLabel:"user_password"));
    sd.userImage = Format.fmtString(results.getObject(columnLabel:"user_image"));
    sd.birthday = Format.fmtInteger(results.getObject(columnLabel:"birthday"));
    sd.membershipFee = Format.fmtDollar(results.getObject(columnLabel:"membership_fee"));
    sd.userRoleId = Format.fmtInteger(results.getObject(columnLabel:"web_user.user_role_id"));
    sd.userRoleType = Format.fmtString(results.getObject(columnLabel:"user_role_type"));
    sdl.add(sd);
```