

1. Missing Database Driver

```
2. 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.",
3. webUserList: [ ]
```

When I try to run webUserList without tunnel connection, The driver is missing because there is no server-side to reach. To fix this, connecting the tunnel by putty

2. Database Unreachable

- **errorMsg:** "Exception thrown in
WebUserView.getAllUsers(): Table
'sallyk_3308.eb_user' doesn't exist"

When I try to run webUserList with tunnel connection, I created a missing letter in select statement of webUserView. The error message indicates that I need to check the select statement in SQL workbench before using it.

3.Database Not Authorized

```
"Problem getting connection:Access denied for user
'tuj81499'@'cis-linux2.temple.edu' (using password:
YES) ",
```

When I try to run webUserList with tunnel connection, I created a missing letter in password statement. The error message indicates that I need to check the password statement of the SQL workbench before using it.

4. Syntax error in SQL Statement

```
"Exception thrown in WebUserView.getAllUsers(): Unknown
column 'ser_role_type' in 'field list'"
```

When I try to run webUserList with tunnel connection, I created a missing letter in the select statement of the webserver. The error message indicates that I need to check the syntax error statement in SQL workbench before using it.

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

```
6. "Exception thrown in WebUserView.get all users():  
   Column 'ser_password' not found."
```

```
}
```

I entered the wrong name of the column that I created in the SQL database. The result shows that these column names must be checked before running.

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

```
"bad String in FormatUtils:2012-01-07.  
Error:java.sql.Date cannot be cast to  
java.lang.String",
```

I changed the data type of FormatUtils to get the record in column. The result shows that the data can not be extracted from database. It shows that we need to enter the right data type