1. Missing Database Driver:

If we forget to include the database driver in project dependencies. Ensure the correct driver is included.

```
// 20241004125313
// http://localhost:8084/webUser/getAll

{
   "dbError": "Problem getting driver:com.mysql.cj.jdbc.Driver",
   "webUserList": [
   ]
}
```

2. Database Unreachable:

If we don't tunnel and try to access database then we get such errors. Tunnel before accessing database.

```
// 20241004135224
// http://localhost:8084/webUser/getAll

{
   "dbError": "Problem getting connection:Communications link failure\n\nThe last packet sent successfully to the server was 0
milliseconds ago. The driver has not received any packets from the server.",
   "webUserList": [
   ]
}
```

3. Database Not Authorized

By adding invalid username or password of our database. Ensure to add correct username and password.

```
// 20241004135553
// http://localhost:8084/webUser/getAll

{
   "dbError": "Problem getting connection:Access denied for user 'abc236'@'129.32.95.123' (using password: YES)",
   "webUserList": [
   ]
}
```

4. Syntax error in SQL Statement

Writing wrong SQL syntax can cause an error too. Ensure to have right syntax to fix it.

```
// 20241004140541
// http://localhost:8084/webUser/getAll
  "dbError": <u>""</u>,
  "webUserList": [
     "webUserId": "",
     "userEmail": "",
     "userPassword": "",
     "userImage": "",
     "birthday": <u>""</u>,
      "membershipFee": "",
      "userRoleId": "",
      "userRoleType": "",
      "errorMsg": "Exception thrown in WebUserView.getAllUsers(): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'web_user, user_role where web_user.user_role_id =
user_role.user_role_id ORDE...' at line 1"
   }
 ]
```

Error Extracting Data from Result Set (bad column name)
 Having typos in extracting data can cause error too. Ensure to have correct SQL SELECT statement.

6. Error Extracting Data from Result Set (wrong data type)
Using a method that doesn't match the column's data type (e.g., fmtInteger() for a date column). To fix this use the appropriate method based on the column's data type (e.g., Fromat.fmtDate for date columns).