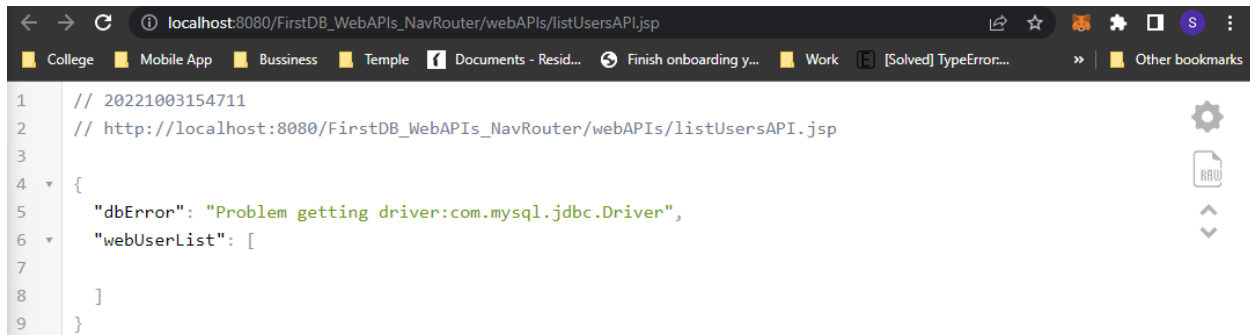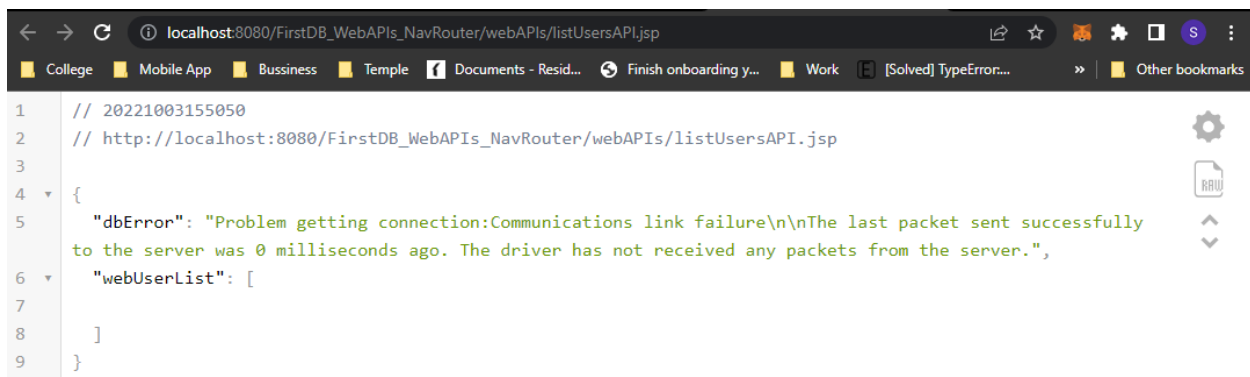Steve Tolvaj

CIS-3308

HW05 Web API

10/03/2022

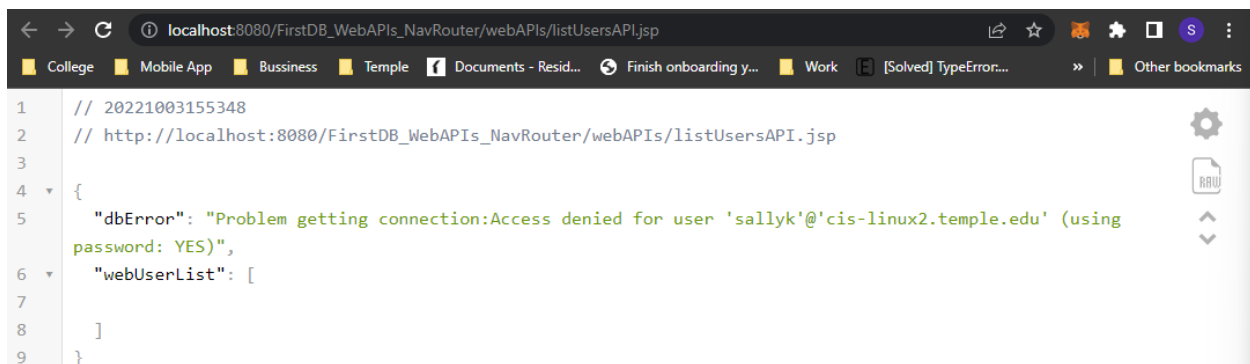## 1. Missing Database Driver


```
1   // 20221003154711
2   // http://localhost:8080/FirstDB_WebAPIs_NavRouter/webAPIs/listUsersAPI.jsp
3
4   {
5       "dbError": "Problem getting driver:com.mysql.jdbc.Driver",
6       "webUserList": [
7
8       ]
9   }
```
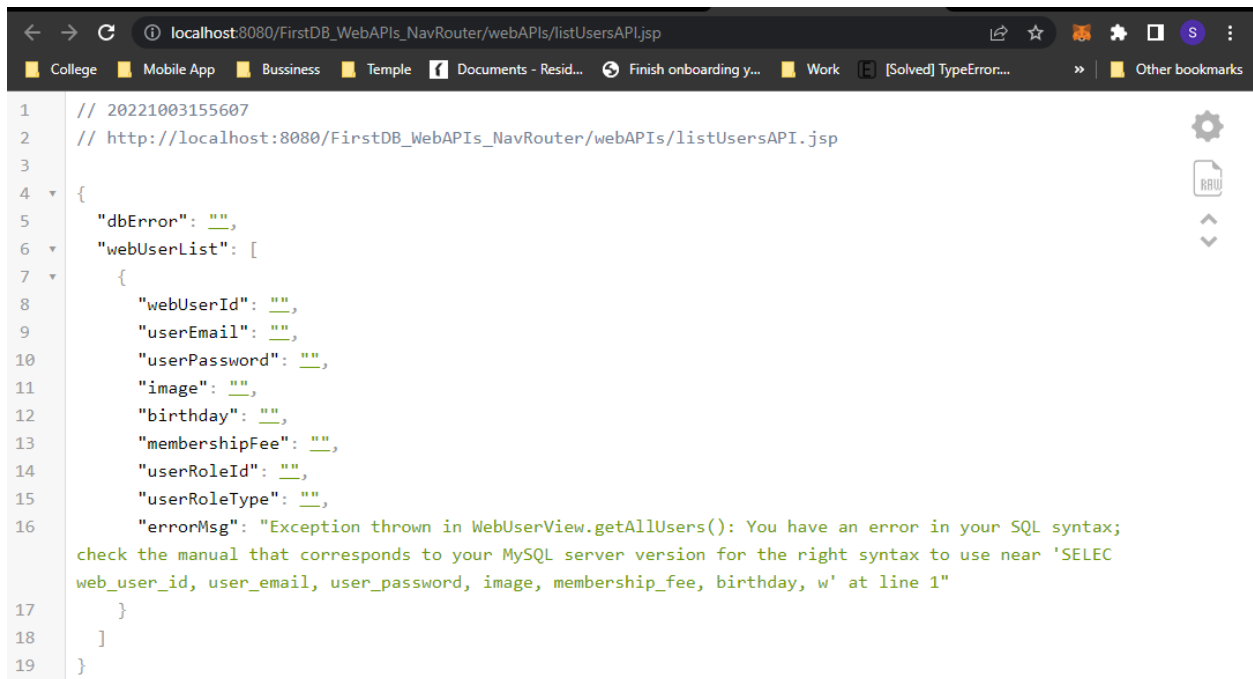
2. Database Unreachable


```
1   // 20221003155050
2   // http://localhost:8080/FirstDB_WebAPIs_NavRouter/webAPIs/listUsersAPI.jsp
3
4   {
5       "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.",
6       "webUserList": [
7
8       ]
9   }
```

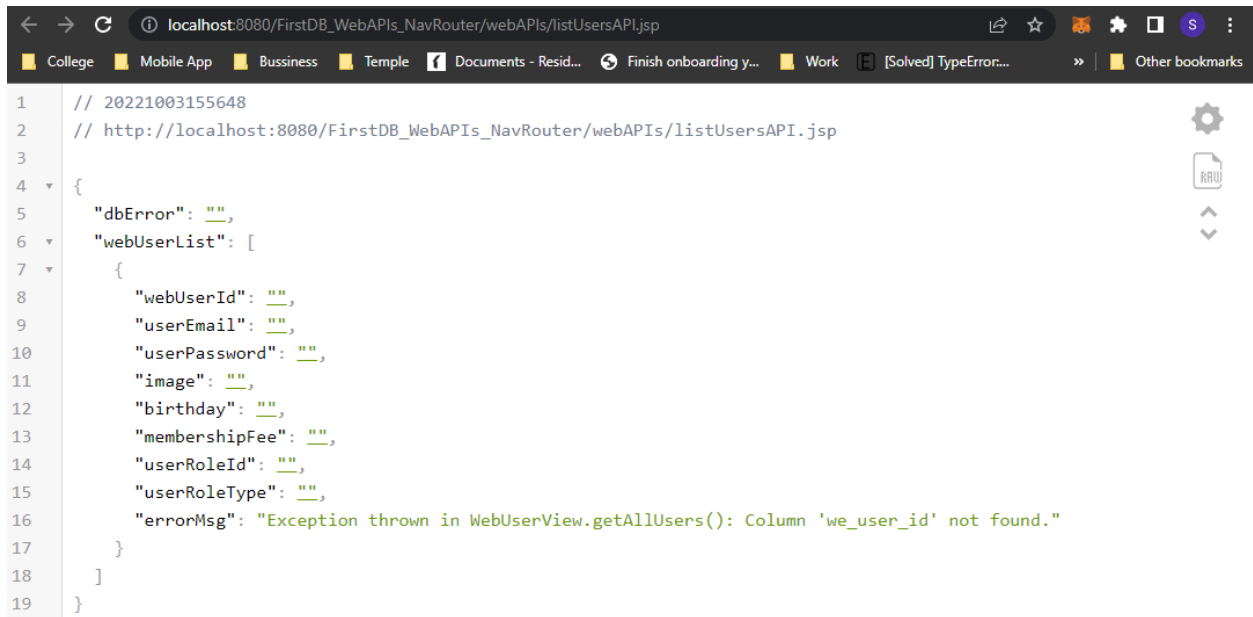## 3. Database Not Authorized


```
1   // 20221003155348
2   // http://localhost:8080/FirstDB_WebAPIs_NavRouter/webAPIs/listUsersAPI.jsp
3
4   {
5       "dbError": "Problem getting connection:Access denied for user 'sallyk'@'cis-linux2.temple.edu' (using
    password: YES)",
6       "webUserList": [
7
8       ]
9   }
```

4. Syntax error in SQL Statement

```
// 20221003155607
// http://localhost:8080/FirstDB_WebAPIs_NavRouter/webAPIs/listUsersAPI.jsp

{
  "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 'SELEC
web_user_id, user_email, user_password, image, membership_fee, birthday, w' at line 1"
    }
  ]
}
```

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

```
// 20221003155648
// http://localhost:8080/FirstDB_WebAPIs_NavRouter/webAPIs/listUsersAPI.jsp

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

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

```
// 20221003155745
// http://localhost:8080/FirstDB_WebAPIs_NavRouter/webAPIs/listUsersAPI.jsp

{
  "dbError": "",
  "webUserList": [
    {
      "webUserId": "1",
      "userEmail": "sk@temple.edu",
      "userPassword": "sk@temple.edu",
      "image": "http://cis-linux2.temple.edu/~sallyk/_pics/sk_07_17.png",
      "birthday": "02/09/2011",
      "membershipFee": "$20.00",
      "userRoleId": "1",
      "userRoleType": "bad Integer in FormatUtils:Admin. Error:java.lang.String cannot be cast to java.lang.Integer",
      "errorMsg": ""
    },
```