

1. Missing Database Driver - To generate this Error I altered the driver in DbConnect.java so that the value stored in the variable wasn't accurate. To fix I set the Driver back to its correct value.

```
{  
  "dbError": " Trouble Connecting to database. Contact IT Support. Problem getting  
driver:com.sql.cj.jdbc.Driver",  
  "webUserList": [  
  ]  
}
```

2. Database Unreachable – I disconnected from the terminal to produce this error. To fix, I ssh'd back into the terminal with my credentials.

```
{  
  "dbError": " Trouble Connecting to database. Contact IT Support. 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 – To produce this error. I typed in a wrong password for the database connection. To fix, I typed in the correct password.

```
{  
  "dbError": " Trouble Connecting to database. Contact IT Support. Problem getting  
connection:Access denied for user 'tup13771'@'10.2.96.123' (using password: YES)",  
  "webUserList": [  
  ]  
}
```

4. Syntax error in SQL Statement – I change SELECT to SELETC to produce this error. To fix I change the query back to SELECT

```
{  
  "formulaId": "",  
  "serviceType": "",  
  "serviceImg": "",  
  "serviceDate": "",  
  "serviceCharge": "",  
  "formula": "",  
  "webUserId": "",  
  "userEmail": "",  
  "errorMsg": "Trouble Connecting to database. Contact IT Support. Exception thrown in  
FormulaFileView.getAllUsers(): Statement.executeQuery() cannot issue statements that do not  
produce result sets."  
}
```

5. Error Extracting Data from Result Set (bad column name) – I erased serviceType from my query but kept in the results. To fix, I added serviceType back to the query.

```
{
  "dbError": "",
  "formulaFileList": [
    {
      "formulaId": "1",
      "serviceType": "",
      "serviceImg": "",
      "serviceDate": "",
      "serviceCharge": "",
      "formula": "",
      "webUserId": "",
      "userEmail": "",
      "errorMsg": " Trouble Connecting to database. Contact IT Support. Exception thrown in
FormulaFileView.getAllUsers(): Column 'service_type' not found."
    }
  ]
}
```

6. Error Extracting Data from Result Set (wrong data type) – To produce this error I formatted the service type as an integer, when it should have been formatted for a string. To fix, I uussed the format method for Strings.

```
{  
  "formulaId": "1",  
  "serviceType": " Trouble Connecting to field name. Contact IT Support. bad Integer in  
FormatUtils:Single Process. Error:class java.lang.String cannot be cast to class  
java.lang.Integer (java.lang.String and java.lang.Integer are in module java.base of loader  
'bootstrap')",  
  "serviceImg": "https://images.app.goo.gl/6kTUJpAWKpdwrJgdA",  
  "serviceDate": "01/08/2024",  
  "serviceCharge": "$65.00",  
  "formula": "10A 30vol",  
  "webUserId": "1",  
  "userEmail": "tup13771@temple.e",  
  "errorMsg": ""  
}
```