

Database errors

1. Missing Database Driver

This occurs when the string reference for the driver is either missing or misspelled.

```
Problem getting driver:com.mysql.jdbc.Driver1"
```

2. Database Unreachable can be reached if database is not entered correctly.

Or if you are not tunneled in while testing locally

```
Problem getting connection:Unknown database 'SP20_asd3308_tuk85386'"
```

3. Database Not Authorized

Occurs when password is entered incorrectly in database login credentials

```
Problem getting connection:Access denied for user  
'tuk85386'@'cis-linux2-priv.temple.edu' (using password: YES)"
```

4. Syntax error in SQL Statement

If your SQL statement is wrong. I usually enter my queries in to SQL workbench before copying and pasting in to the java.

```
"Exception thrown in burgerView.allBurgersAPI(): 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 'adsad' at line 1"
```

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

This is if we are trying to grab data from the JSON results that does not exist.

```
Exception thrown in model.burgers.StringData (the constructor that  
takes a ResultSet): Column 'testData' not found. This occurs when we try  
and extract a Json variable that does not exist.
```

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

If we are trying to grab data of the wrong data type.

Just make sure you know what data type you are retrieving then parse accordingly.

```
Exception thrown in model.burgers.StringData (the constructor that  
takes a ResultSet): null
```