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Web API Errors

1. Missing Database Driver

- This error is when you're missing the driver to the database server.

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

2. Database Unreachable

- This when the URL provided is entered incorrectly.

```
{
  dbError: "Problem getting connection:Access denied for user 'sallyk'@ '%' to database 'sallyk_33088'",
  webUserList: [ ]
}
```

3. Database Not Authorized

- This is when the database hasn't been authorized to be accessed.

```
{
  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.",
  webUserList: [ ]
}
```

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4. Syntax error in SQL Statement

- This is when the SQL statement that was used is entered incorrectly.

```
{
  dbError: "",
  - webUserList: [
    - {
      webUserId: "",
      userEmail: "",
      userPassword: "",
      image: "",
      birthday: "",
      membershipFee: "",
      userRoleId: "",
      userRoleType: "",
      errorMsg: "Exception thrown in model.webUser.StringData (the constructor that takes a ResultSet): Uncompilable source code - cannot find symbol symbol: variable webUserId"
    },
  ],
}
```

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

- This error is when the column name being called is misspelled.

```

{
  dbError: "",
  - webUserList: [
    - {
      webUserId: "",
      userEmail: "",
      userPassword: "",
      image: "",
      birthday: "",
      membershipFee: "",
      userRoleId: "",
      userRoleType: "",
      errorMsg: "Exception thrown in WebUserView.allUsersAPI(): Unknown column 'web_user1_id' in 'field list'"
    }
  ]
}

```

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

- a. This is when the data type that was entered was inputted incorrectly.

```

{
  dbError: "",
  - webUserList: [
    - {
      webUserId: "1",
      userEmail: "sallyk@gmail.com",
      userPassword: "bad Integer in FormatUtils:pass Error:java.lang.String cannot be cast to java.lang.Integer",
      image: "http://cis-linux2.temple.edu/~sallyk/pics/sk\_2017.jpg",
      birthday: "",
      membershipFee: "$1,000.00",
      userRoleId: "1",
      userRoleType: "Admin",
      errorMsg: ""
    }
  ],
}

```