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CIS 3308

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Web API Generated Errors

1. Missing Database Driver - To generate this error, I had to remove the mysql-connector JAR file from the web application.

```
{
  dbError: "Thrown exception trying to find the database driver. Error: com.mysql.jdbc.Driver",
  artworkList: [ ]
}
```

2. Database Unreachable - For this error, I had to make sure that I was not tunneled in through linux2.

```
Info: Error in DbConn. Thrown exception trying to get the connection. Error: 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.
|
```

3. Database Not Authorized - To generate this error, I had to enter an invalid password in DbConn.java.

```
{
  dbError: "Thrown exception trying to get the connection. Error: Access denied for user 'tuk81273'@'cis-linux2.temple.edu' (using password: YES)",
  artworkList: [ ]
}
```

4. Syntax Error in SQL Statement - To generate this error, I entered a typo into my SQL select statement being applied to my database.

```
getConnection(),
  userPassword: "",
  webUserID: "",
  errorMsg: "Exception thrown trying to extract data from result set: Unknown column 'artwork_idx' in 'field list'"
}
]
```

5. Error Extracting Data from Result Set (bad column name) - To get this error, I had to try to extract a non-existing column from the result set.

```
        userPassword: "",
        webUserID: "",
        errorMsg: "Exception thrown trying to extract data from result set: Column 'birthday' not found."
    }
}
]
```

6. Error Extracting Data from Result Set (wrong data type) - To get this error, I changed the FormatUtil function on extraction to try to make the artworkName variable formatted to an integer.

```
dbError: "",
artworkList: [
    {
        artworkId: "2",
        artworkName: "bad Integer in FormatUtils:Mona Lisa. Error:java.lang.String cannot be cast to java.lang.Integer",
        artworkImg: "monaLisa.jpg",
```