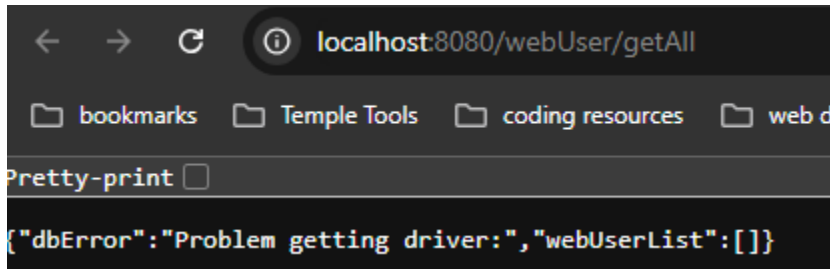


### 1. Missing Database Driver:

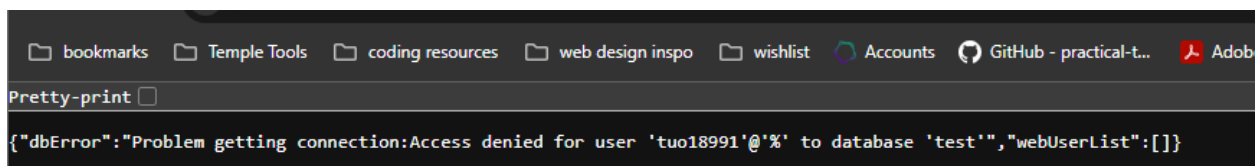
I created this error by removing the string DRIVER in my dbconn file. The way to fix this is to make sure you're using a correct database driver or a driver in general otherwise the database connection won't work at all.



A screenshot of a web browser window. The address bar shows 'localhost:8080/webUser/getAll'. Below the address bar, there are several bookmark folders: 'bookmarks', 'Temple Tools', 'coding resources', and 'web de'. A 'Pretty-print' checkbox is visible. The main content area displays a JSON object: `{"dbError":"Problem getting driver:","webUserList":[]}`.

### 2. Database Unreachable:

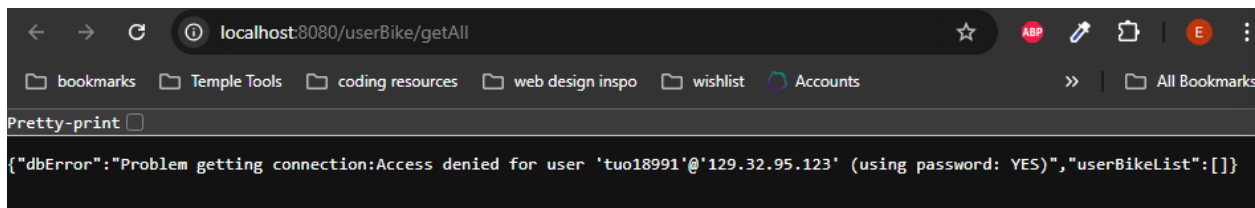
I created this error by inputting incorrect information in the string dbandpass in my dbconn file. The way to fix this issue is to make sure your database name, password, and username are all correct.



A screenshot of a web browser window. The address bar shows 'localhost:8080/webUser/getAll'. Below the address bar, there are several bookmark folders: 'bookmarks', 'Temple Tools', 'coding resources', 'web design inspo', 'wishlist', 'Accounts', 'GitHub - practical-t...', and 'Adobe'. A 'Pretty-print' checkbox is visible. The main content area displays a JSON object: `{"dbError":"Problem getting connection:Access denied for user 'tuo18991'@'%' to database 'test'","webUserList":[]}`.

### 3. Database Not Authorized:

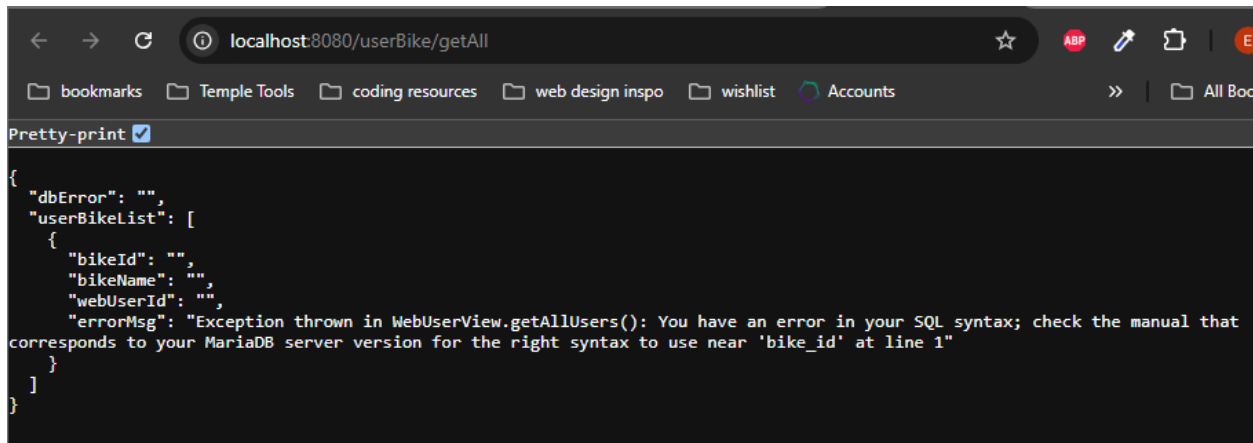
I created this error by inputting an incorrect password for my dbandpass input. The way to fix this is to make sure that your password is correct and you're using the mysql password, not your personal temple password.



A screenshot of a web browser window. The address bar shows 'localhost:8080/userBike/getAll'. Below the address bar, there are several bookmark folders: 'bookmarks', 'Temple Tools', 'coding resources', 'web design inspo', 'wishlist', and 'Accounts'. A 'Pretty-print' checkbox is visible. The main content area displays a JSON object: `{"dbError":"Problem getting connection:Access denied for user 'tuo18991'@'129.32.95.123' (using password: YES)","userBikeList":[]}`.

#### 4. Syntax error in SQL Statement:

I created this error by altering my sql statement syntax. In my ORDER BY section, I removed the BY part which is not proper syntax for a SQL statement. In order to not get this error, make sure your SQL statements are following proper syntax.

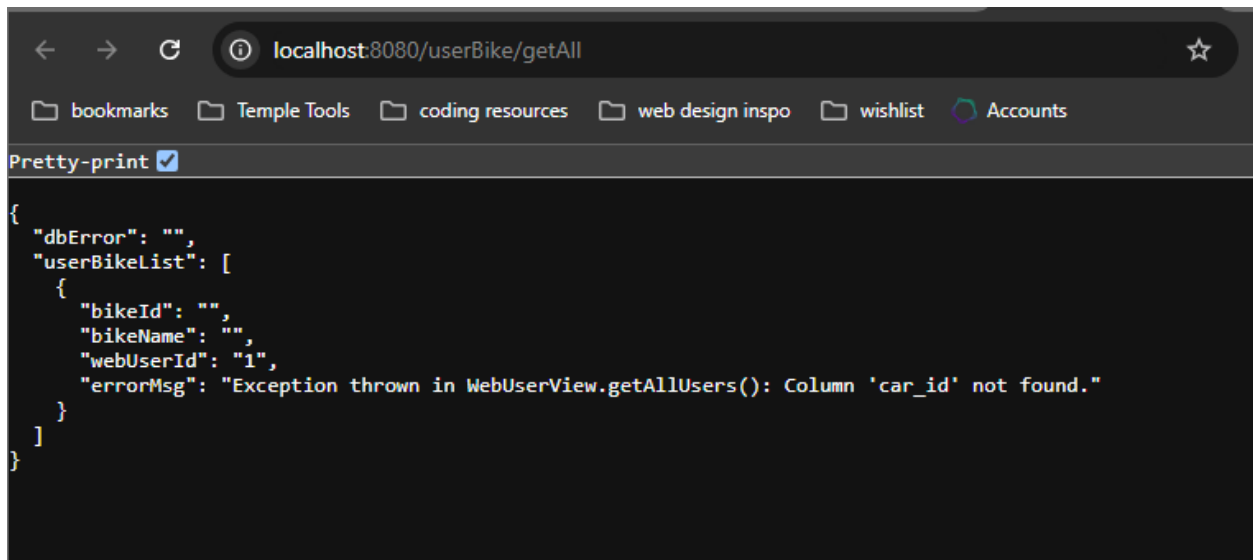


The screenshot shows a web browser at the URL `localhost:8080/userBike/getAll`. The response is a JSON object with the following structure:

```
{
  "dbError": "",
  "userBikeList": [
    {
      "bikeId": "",
      "bikeName": "",
      "webUserId": "",
      "errorMsg": "Exception thrown in WebUserView.getAllUsers(): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'bike_id' at line 1"
    }
  ]
}
```

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

I created this error by changing my bike\_id column name to something random (car\_id) in my example. In order to prevent this error, make sure your column names match the column names on your mysql database.

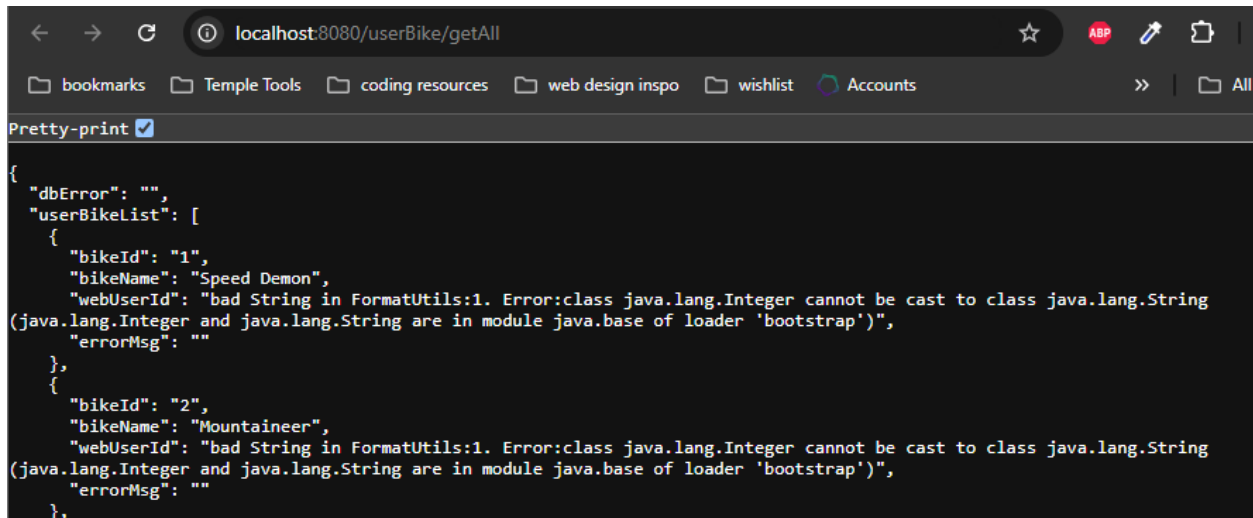


The screenshot shows a web browser at the URL `localhost:8080/userBike/getAll`. The response is a JSON object with the following structure:

```
{
  "dbError": "",
  "userBikeList": [
    {
      "bikeId": "",
      "bikeName": "",
      "webUserId": "1",
      "errorMsg": "Exception thrown in WebUserView.getAllUsers(): Column 'car_id' not found."
    }
  ]
}
```

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

I created this error by changing my userBike webUserId from a fmtInt to a fmtString causing a wrong data type error. To make sure you don't get this error, you must ensure that the fmt data type is correct with the data type on the mySql database.



The screenshot shows a web browser window with the address bar displaying `localhost:8080/userBike/getAll`. The browser's developer tools are open, showing a JSON response. The JSON object has a `dbError` field with an empty string and a `userBikeList` field containing an array of two bike objects. Each bike object has `bikeId`, `bikeName`, `webUserId`, and `errorMsg` fields. The `webUserId` field in both objects contains a long error message: `"bad String in FormatUtils:1. Error:class java.lang.Integer cannot be cast to class java.lang.String (java.lang.Integer and java.lang.String are in module java.base of loader 'bootstrap')"`. The `errorMsg` field is empty for both.

```
{
  "dbError": "",
  "userBikeList": [
    {
      "bikeId": "1",
      "bikeName": "Speed Demon",
      "webUserId": "bad String in FormatUtils:1. Error:class java.lang.Integer cannot be cast to class java.lang.String (java.lang.Integer and java.lang.String are in module java.base of loader 'bootstrap')",
      "errorMsg": ""
    },
    {
      "bikeId": "2",
      "bikeName": "Mountaineer",
      "webUserId": "bad String in FormatUtils:1. Error:class java.lang.Integer cannot be cast to class java.lang.String (java.lang.Integer and java.lang.String are in module java.base of loader 'bootstrap')",
      "errorMsg": ""
    }
  ]
}
```