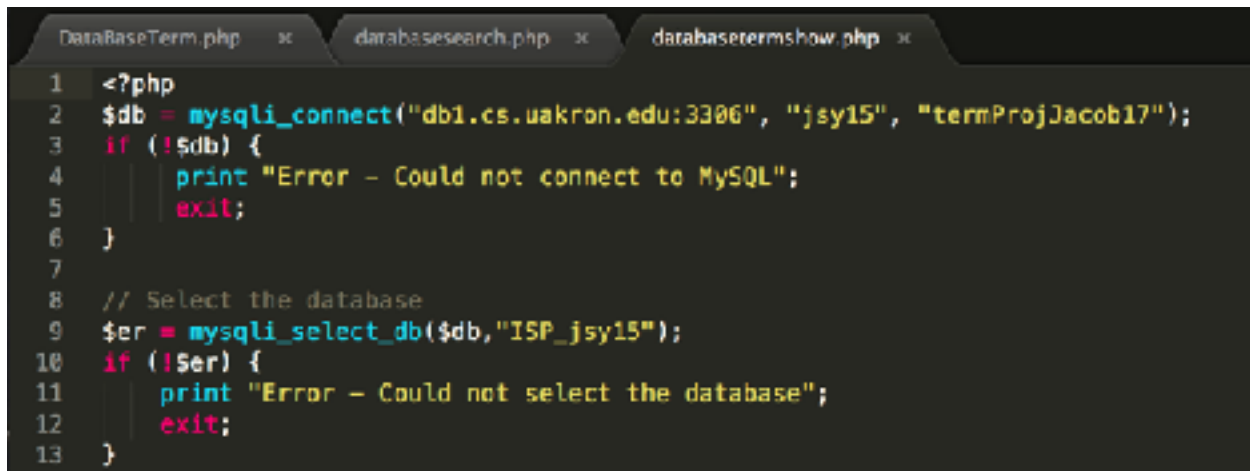


Initial Connection to the Database:

A screenshot of a code editor with three tabs: 'DataBaseTerm.php', 'databasesearch.php', and 'databasetermshow.php'. The 'databasesearch.php' tab is active, showing PHP code for database connection. The code includes comments and error handling for MySQL connection and database selection.

```
1 <?php
2 $db = mysqli_connect("db1.cs.uakron.edu:3306", "jsy15", "termProjJacob17");
3 if (!$db) {
4     print "Error - Could not connect to MySQL";
5     exit;
6 }
7
8 // Select the database
9 $er = mysqli_select_db($db,"ISP_jsy15");
10 if (!$er) {
11     print "Error - Could not select the database";
12     exit;
13 }
```

`mysqli_connect(DATABASE ADDR, USER_NAME, DATABASE)`

On button click to display the entire table:

```
$query = "SELECT * FROM Database_test";
$result = mysqli_query($db,$query);
```

`$result` Will be used to hold returned data from database, utilizing objects such as `mysqli_num_fields($result)` and `mysqli_fetch_array($result)`

All utilizing HTML `<table> ... </table>` To display in an organized way.

Searching the Database:

File : `databasesearch.php` -> similar database connection as the previous image shows. Defines database object as `$db`

```
$make = $_GET["make"];  
.  
.  
.  
$query = "SELECT * FROM <TABLE NAME> WHERE Make = '$make'";"
```

Displaying the result in the same way as the previous (Display All).

DataBaseTerm.php

This file handles all the front-end data mitigation, setting up HTML forms, and then utilizes AJAX to process page loads. Specifically, allows database information to be loaded, deleted, and displayed without 'entire' page reloads.

```
xmlhttp.onreadystatechange = function() {  
    if (this.readyState == 4 && this.status == 200) {  
        document.getElementById('databaseout').innerHTML =  
this.responseText;  
    }  
}  
xmlhttp.open("GET", "databasetermshow.php", true);  
xmlhttp.send();  
}
```

EXAMPLE QUERYS:

```
$query = 'DELETE FROM Database_test  
        WHERE year='$year' AND  
              model = '$model' AND  
              make = '$make'";
```