

Media Database Website

Matthew Garcia

What I have cataloged:

Books

- ISBN
- Author
- Genre

Manga

- Author
- Series
- Volume
- Genre

Vinyl Records

- Artist
- Album
- Release Year

Basic Splash Page

Manga Records

Welcome to My Media Databse

Each table has an ID Number per item and descriptive attributes. It took me about 3 hours to create this database. I have a lot of older items than I realized.



Splash page made using
bootstrap

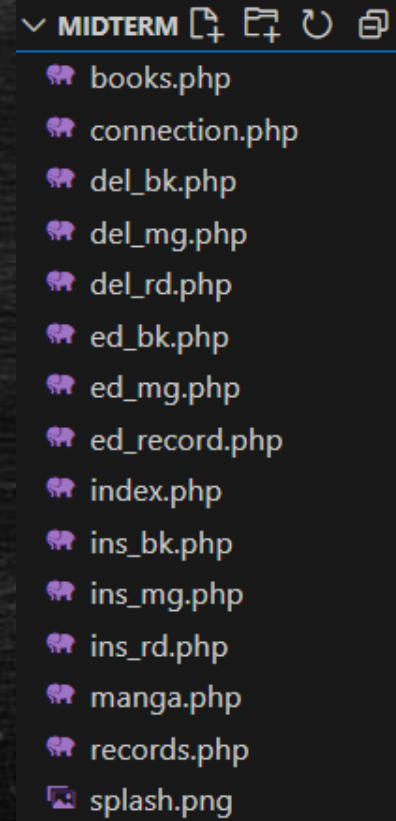
Unique Table Pages

ds				
Data from 'Books'				
Book Number	ISBN	Author	Title	Genre
1	9781534445987	John	Permanent Record	Young Adult/Romance
2	9781250886088	Travis Baldree	Legends & Lattes	Fantasy, Fantasy Fiction Romantic fantasy, Gas fantasy
3	9780592441275	Emily Henry	Henry Plans	Romance, Fiction

All tables are made using the same bootstrap and have add, edit, and delete functions.

File Structure

- Basic table PHP files
- Connection PHP file from sandbox
- Delete Function PHP file per table
- Edit Function PHP file per table
- Insert Function PHP file per table



▼ MIDTERM

- books.php
- connection.php
- del_bk.php
- del_mg.php
- del_rd.php
- ed_bk.php
- ed_mg.php
- ed_record.php
- index.php
- ins_bk.php
- ins_mg.php
- ins_rd.php
- manga.php
- records.php
- splash.png

Display Function

Echoing row via fetch function per table column

Was easy enough once I looked into the fetch function.

```
81      <!--Table col headers-->
82      <table class="table table-bordered text-center">
83          <tr style="font-weight: bold;">
84              <td> Book Number </td>
85              <td> ISBN </td>
86              <td> Author </td>
87              <td> Title </td>
88              <td> Genre </td>
89              <td> Edit </td>
90              <td> Delete </td>
91          </tr>
92          <!--<tr>--> <!--Body of HTML table-->
93          <?php
94
95              while($row = mysqli_fetch_assoc($result))
96              {
97              ?>
98              <tr>
99                  <td><?php echo $row['Book_Num'] ?></td>
100                  <td><?php echo $row['ISBN'] ?></td>
101                  <td><?php echo $row['Auth'] ?></td>
102                  <td><?php echo $row['Title'] ?></td>
103                  <td><?php echo $row['Genre'] ?></td>
104                  <td><a href="ed_bk.php?id=<?php echo $row['Book_Num'] ?>" class="btn btn-primary"> Edit </a></td> <!--php here is
to call booknum in the address bar based on the item you edit-->
105                  <td><a href="del_bk.php?id=<?php echo $row['Book_Num'] ?>" class="btn btn-danger"> Delete </a></td>
106              </tr>
107          <?php
108              }
109          ?>
110      </table>
```


Insert/Add Function

Inserting a new book row, taking values from the bootstrap modal but auto incrementing the 'Book_Num' var;

Tricky at first but was easy enough to follow.

```
ins_bk.php
1  <?php
2  include("connection.php"); #including connection file
3
4  if (isset($_POST["add_bk"])) { #post method for security followed by taking and defining values from the html form
5      $isbn = $_POST["isbn"];
6      $auth = $_POST["auth"];
7      $title = $_POST["title"];
8      $genre = $_POST["genre"];
9      //if statements to post missing item
10     if (empty($isbn)) {
11         header("location:books.php?message=Missing ISBN");
12     }
13     elseif (empty($auth)) {
14         header("location:books.php?message=Missing Author");
15     }
16     elseif (empty($title)) {
17         header("location:books.php?message=Missing Title");
18     }
19     elseif (empty($genre)) {
20         header("location:books.php?message=Missing Genre");
21         exit; // Stop script execution after redirect
22     }
23     //inserting table and column names
24     $query = "INSERT INTO `books` (`ISBN`, `Auth`, `Title`, `Genre`) VALUES (?, ?, ?, ?)";
25
26     // Use prepared statements to prevent SQL injection chat gpt helped here
27     $stmt = mysqli_prepare($conn, $query);
28     if ($stmt) {
29         mysqli_stmt_bind_param($stmt, "ssss", $isbn, $auth, $title, $genre);
30         if (mysqli_stmt_execute($stmt)) {
31             header("location:books.php?msg_success=Your data has been added successfully"); #successful message
32             exit; // Stop script execution after the redirect
33         } else {
34             die("Query Failed: " . mysqli_error($conn)); #failed message
35         }
36     }
37 }
```

Delete Function

Deleting a book row based on 'Book_Num' var.

Easiest function since it is quite simple to write and does not use too many variables.

```
del_bk.php
1  <?php include ('connection.php')?> <!--including connection file-->
2
3  <?php
4
5  if(isset($_GET['id'])) { #get set id from connection and establishing variable
6      $id = $_GET['id'];
7
8      $query = "DELETE FROM `books` where `Book_Num` = '$id' "; #query to delete item from book table based on booknum
9      $result = mysqli_query($conn, $query); #result var = connection state and query request
10
11     if(!$result){
12         die("Query Failed".mysqli_error($conn)); #display error is message doesn't work
13     }
14     else{
15         header('location:books.php?delete_msg=You have deleted the record.');
```


Edit Function

Editing a book row based on the 'Book_Num' var assigned to each row. Assigning temp variable for the possible new values but maintaining current values if not changed.

Definitely the function that gave me the most trouble.

```
28 <?php
29 if (isset($_POST["ed_bk"])) { # update if statement
30     if (isset($_GET["id_new"])) {
31         $idnew = $_GET["id_new"]; #making new id num
32
33         $b_isbn = $_POST['isbn']; #temp vars for atts
34         $b_auth = $_POST['auth'];
35         $b_title = $_POST['title'];
36         $b_genre = $_POST['genre'];
37
38         $query = "UPDATE `books` SET `ISBN` = '$b_isbn', `Auth` = '$b_auth', `Title` = '$b_title', `Genre` = '$b_genre' WHERE `Book_Num` = '$idnew'"; #query to update book row
39
40         $result = mysqli_query($conn, $query); #recording result based on connection and query
41
42         if (!$result) {
43             die("Query Failed: " . mysqli_error($conn));
44         } else {
45             header("location: books.php?ed_msg=You have updated the item successfully");
46         }
47     }
48 }
```