PHP Final Project notes

To Do List

1 Review previous assignment for code that is reusable from them

2 Get scripts working in PHP to modify databases after creating general template in mysql

3 Improve HTML forms as needed

1. What can be needed to gather to populate the database
2. How can PHP be used more to build out the assignment
3. Question: Searching the SQL database? Also how to build the database.

PHP Code in previous assignments (all of them)

HTML forms in previous assignments

1. Guestbook
2. Song organizer (working with arrays)
3. Bowler registration (6b - working with files)

Entertainment blog website

HTML:Get username and basic user information, plus select topics for the blog

Fields for form User Registration: Name, City, State, Username (must be available),

SQL: Tables –Users, MovieRatings, AlbumReviews

Shopping cart for a music file download site with payment options

HTML Fields: Selections – has a backend in Music database

Customer Info: Name, Payment Information

SQL Database Tables

Music: Artist, Album, Year

Payment Options: Credit Card, Gift Card

Products, Customers, an Transactions/Orders

Checkout system for a database of various movie and book titles on loan to different users/customers

HTML Fields:

Books – has a backend Books database

Movies – has a backend Movies database

SQL Tables: Books, Movies, Music

Books fields: Author, Title, Year

Movies: Title, Year

Objects in CMS Database **(advanced)**

Tables: Users, Files, Permissions

User Table:

Files Table:

Permissions Table:

Ideas to incorporate to project:

1. Object Oriented PHP

Define a Product class:

Then assign product objects to that class:

$item1 = new Product

1. Accessing Files with PHP

PHP will work with files on the server and have to find out if the server may allow for that with this project, start with some simple commands to test it like is\_readable(), then move onto fopen() and file\_get\_contents(), and FILE\_APPEND constant with the file\_put\_contents *to keep the order histories as needed in a file…*

1. Use of Arrays

Challenges:

Careful with use of array, associative arrays, etc.

May or may not have the need for cookie or session, assess first before using them

1. Other ways to use PHP

Mathematical operations

Use of Constants and Variables for calculations

For testing connection to database using PHP (MySQLi Reference):

mysqli\_connect() code to just connect to mysql

mysqli\_close() code to disconnect to mysql

mysqli\_select\_db(connection,dbname) code to connect to and select database

mysqli\_query() queries the database to do just about anything

Important code for returning an error from a connection:

$cn = mysqli\_connect("localhost", "username", "password");  
  
if (mysqli\_connect\_errno()) {  
 echo "Error in establisihng the connection:" . mysqli\_connect\_error();  
}

Other code for available data access from PHP to databases:  
$DBConnect = mysqli\_connect("localhost", "username", "password");  
if (!$DBConnect) {  
 echo "<p>The database server is not available.</p>";  
} else {  
 echo "<p>Successfully connected to the database server.</p>";  
 mysqli\_close($DBConnect);  
}