Project Overview

For this assignment, you will build a php/mysql web application for the purchasing of tickets for broadway shows. Someone has been hired to complete the data entry. The user will be able to create a table, add records and display all records in the table. Create a folder named LastName**Then**FirstNameCodingAsst. Name your files as follows:

* AsstInclude.php. Start with the include file built during class.
* AsstMain.php. All php code is to be placed in one php file. The exception to this is your include file.
* AsstStyle.css
* Auth.txt with our original settings.

When testing your program, use Chrome. Be sure to use the names provided here. You may choose the case type: capital camel case and camel case.

GUI Design

Your client provided you with the navigation rules for the web site and gave you free reign on how to design the CSS. The only CSS guidelines you are required to follow are shown below:

1. Implement a noticeable colour scheme. If you would like colour suggestions, see:

<https://color.adobe.com/explore/newest/?time=all>.

1. Use an online tool to create images for buttons that match your colour scheme. You will need buttons Home, Create Table, Add Record, Save Record and Display Data.
2. The body font size should be 1.2em.
3. Style all input boxes to have a noticeable background colour.

The Include File

Verify that your in class include file is working and contains the following functions in the following order: WriteHeaders, DisplayLabel, DisplayTextbox, DisplayImage, DisplayButton, DisplayContactInfo, WriteFooters and CreateConnectionObject.

Modify DisplayTextbox to add a new parameter at the start of the parameter list. This new parameter represents the html input element to display. For example, if *text* is sent into the function, use html element *input type = text*. If *date* is sent into the function, use html element

*input type = date*.Other options are *input type = time, input type = number.*

Modify DisplayTextbox to add a new parameter at the end of the parameter list. The new optional parameter is a boolean with a default value of false. If true is sent in as a parameter then the textbox receives focus. The show name textbox should receive focus (cursor flashing) when the page loads.

The Code

Notes

In visual code, your code cannot go past column 80. All variables in this assignment are local.

main

Place your “main” code above all functions. Start it with a comment that says main. This section contains only the code described below:

// url to run assignment

// require

date\_default\_timezone\_set ('America/Toronto');

$mysqlObj;

$TableName = "BroadwayShows";

Call WriteHeaders. Heading: *Your Full Name Assignment 1*

Code required to display the appropriate forms.

Call WriteFooters

Function CreateConnectionObject

Use the function created during our lecture classes. The function should be in your include file.

Function CloseConnection(one reference parameter)

Close the connection. The function should be in your include file.

Function DisplayMainForm: no parameters

This function displays the home page. The page should display buttons in the following order: Create Table, Add Record and Display Data.

Function CreateTableForm: parameters mysqlObj and Tablename

This function runs when the user clicks Create Table. Drop the table to delete any existing data. Create the table with the design shown below:

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Notes |
| showName | 50 characters | Primary key, user entered |
| performanceDateAndTime | datetime | User entered |
| nbrTickets | integer | User entered |
| ticketPrice | decimal(5,2) | User entered |
| totalCost | decimal(8,2) | Calculated by web site |

Display either *Table <tablename> created* or *Unable to create table <tablename>.* Add a Home button.

Function AddRecordForm (no parameters)

This is the data entry page. It runs when the user clicks Add Record from the Home page. The user will enter data and click Save Record. This function should do the following:

1. Provide labels for all data entry controls. The data entry controls should appear in the order shown below.
   * Show Name: textbox.
   * Performance Date: html 5 date control (input type=date). Set the default date to the system date. For help on this, see Setting the Default Date and Time below. You may want to wait until you have completed the remaining code before taking on this challenge.
   * Performance Time: html 5 time control (input type=time). Set the default time to the system time. For help on this, see Setting the Default Date and Time below. You may want to wait until you have completed the remaining code before taking on this challenge.
   * Number of Tickets: an updown control (input type=number). Set a default value of 2.
   * Three radio buttons for ticket price: 100, 150, 200. Set default to 100.
2. Display a Save Record button and a Home button. The Save Record button must appear above or to the left of the Home button. If not, the user will lose their data when Enter is pressed.
3. To space out the data entry controls, encase each data entry pair in class *datapair*. Code the class with a top and bottom margin. See your answer to ZooParameters.php.

Function AddRecordToTable: parameters mysqlObj and Tablename

This function runs when the user clicks the Save Record button. It adds a new record to the table, inserting the values entered on the add record form. The performance date and time were entered separately by the user but are stored together in the table. Use string concatenation to combine the date and time. Be sure to include a space between the date and time.

Total cost is the number of tickets times the ticket price. There is 13% tax.

Display either *Record successfully added to <tablename>* or *Unable to add record to <tablename>.* Add a Home button. You do not have to account for adding an existing show.

Function ShowDataForm: parameters mysqlObj and Tablename

Display all table data in an html table with lines and a border. Sort by ticket price ascending then number of tickets descending. Include column headings. Monetary values should display with 2 numbers to the right of the decimal.

Below the table, display message:

*<number of rows> bookings to date*.

Add a Home button.

Setting the Default Date and Time

You will need to spend some time thinking this through. Focus on how functions and parameters work. This is the type of problem you will see in work placement.

The goal for the date control is to set the value attribute of the date control to be the server date. For details on using the php date function, see [www.php.net/manual/en/function.date.php](http://www.php.net/manual/en/function.date.php)

The goal for the time control is to set the value attribute of the time control to be the server time. You will need to use the date function to build a string in the format of currenthour:currentminute

Once you have it working, test it in the am and in the pm. You will see you need to make a modification to the hour for it to work correctly in both am and pm.

Documentation

Add a comment on line 1 of **each** file, stating the exact url to run AsstMain.php from localhost. For example:

http://localhost/LastName**Then**FirstNameCodingAsst/AsstMain.php

Make sure *http://* is included. Test the url by double clicking it in Visual Code. No additional documentation is required.

Additional Notes

1. Your website must work on your client’s machine. Be sure to test it on a laptop size monitor, using the default auth.txt.
2. For a student to earn a grade on this assignment, the submitted assignment must be free of syntax errors and have minimum functionality.
3. Your client provided the specifications and submission instructions. Be sure to follow them.
4. Your code must follow the programming methodologies covered in class materials. There are many methods on google and php.net. Some are solid, some are deprecated, some are security risks. Follow the recommendations by your supervisor ().
5. Unless specified in this document, there should be no default data in the controls.
6. Each line of code should be 80 characters long or less.
7. During testing, you may notice your new code changes are not executed when you press F5. The browser is using cache. Using ctrl-F5 to refresh the page is recommended. If you are still having issues, close and restart Chrome.

Submitting Your Assignment

1. Assignments will be marked as submitted and will not be marked twice. Make sure you have fully completed your assignment before submitting it to your client ().
2. Check that all files needed to run the application are in your assignment folder.
3. Verify that your assignment folder is named Last**Then**FirstCodingAsst and the documentation is done correctly. If the folder is not named correctly, then your assignment will not be graded as it will be overwritten by another student’s work.