Concepts Assignment 10

CS441

*This is exercises based on the textbook ones for Chapters 9 & 10, but focusing on 10. Note, there are additional steps or requirements that might not be in the book, or steps removed from the book, so be sure to follow this document vs directly following the textbook.*

*Note, all required student files are located in the Week 1 Module of Canvas. Look for the “Student Download files” and add to your htdocs folder. Remember that the weekly code will be copied back and forth from your local Github repository and the htdocs folder.*

*Before starting, make sure to copy the directories “book\_apps” and “ex\_starts” to your local computer in the following directory: C:\*xampp\htdocs\

***With lab PCs, sync Github prior to starting work, commit all changes, and PUSH those changes to Github.***

**Instructions:**

# Exercise 10-1 Write Code that works with dates

In this exercise, you can write the PHP code that works with dates. Note, you must complete through step 8 before testing, as functions lower on the page call on functions higher on the page (later problem numbers).

**Open and test the application**

1. Start the Chrome browser and run the application in the ex\_starts/ch10\_ex1 directory. To do that, you can use this URL:

http://localhost/ex\_starts/ch10\_ex1/

This should display a page that allows you to enter an invoice date and a due date. Note that this page displays two default dates in a standard date format.

1. Click on the Submit button. Note that this displays some labels, but doesn’t display any dates or times.

**Write the code that processes the data entered by the user**

1. Open the index.php file for this application and review the code. Note that it displays a starting invoice date that’s one month before the current date and a starting due date that’s two months after the current date. However, this code doesn’t process the dates that are entered into the text boxes.
2. Open the date\_tester.php file for this application and review the code. Note that this code uses an if statement to display an error message or a table of date and time data.
3. In the index.php file, add the code that uses the two dates that are entered into the text box controls to display a table of data that calculates dates and times and formats them like this:

Text

Description automatically generated

If the current date is after the due date, the due date message should be in this format:



*Note: If the current date or time isn’t correct, you haven’t set the time zone in the php.ini file. For more information, see the appendixes, but it is an optional step.*

1. Make sure the user enters both dates.
2. Allow the user to enter a date in any format that can be parsed by the constructor of the DateTime class. This includes all of the most common date formats.
3. Make sure the user enters dates in a valid date format. To do that, you can use a try/catch statement to catch an exception that’s thrown if the constructor of the DateTime class can’t parse the date. For a review of the try/catch statement, you can refer to chapter 4.
4. Make sure the user enters a due date that’s later than the invoice date.
5. Test the application to make sure it works correctly and capture a screenshot of your final test.

***Commit this document and all edited code to your Week 6 Github repository by the deadline. Any late work must be communicated.***