CMPE2550 – ASP ICA05 – mySQL and Data Manipulation

In this assignment, you will reinforce your familiarity with the mySQL RDMS and use PHP to execute data manipulation queries against a mySQL database.

As with the previous assignments **[ICA03 and ICA04]**, most of what you have already learned while working with SQL Server is still valid if you adhere to ANSI SQL syntax, but not everything. As a reference, you will want to refer to W3Schools for general mySQL differences.

https://www.w3schools.com/MySQL/

You may also encounter some differences between storage engines or versions of mySQL. For instance, some storage engines ignore foreign key constraints and they all ignore check constraints before mySQL version 8.0.15.

Begin with Slight Adjustments to Assignment 04

To avoid reinventing the wheel, copy all of your files from Assignment04 into a new Assignment05 folder. Once this is completed, now you can add this functionality.

Adding New Books

We shall allow for new books to be added. Add a block at the bottom of the page similar to that seen in the following image (the top of the page, which is same as in ICA04, has been truncated to show everything at the bottom for ICA05 part):

The user is required to supply all of the information shown. As with the Edit functionality in ICA04, only existing values shall be permitted for the Type and Author(s) fields. These shall be populated by querying the database for existing values. While only one Type may be selected for a book, multiple authors are permitted (you need only include as one of the select attributes multiple="multiple" (most verbose version), and then more than one choice may be selected using the Ctrl key while clicking. Don't forget to message the user with status updates!

Remember that you will need to create the titleauthor records to connect your new book to its author(s). For the author order, you may provide the numbers in the order in which the authors are extracted (they just shall not be the same). Also, we will assume "equal billing" for each of the authors and so the royalty percentages shall be equal portions of 100%. As with the Edit functionality, the price must be a numeric value greater than zero to be accepted.

Consistent with Delete and Edit as in ICA04, be sure to refresh the book display for the current author functionality.