



THE UNIVERSITY OF WINNIPEG

PROFESSIONAL, APPLIED AND CONTINUING EDUCATION

Advanced PHP Assignment #2 (wdd6)

Instructor: Steve George

Face value: 160 points

Weighted value: 25% of final grade

Due Date: Jun 29, 2020 at 9:00 AM

Instructions

In this assignment, you will be creating a single page Vue application. The application is intended to be an Admin side page that allows listing and editing of book data. Your assignment will meet these requirements.

1. The page will open with a list of books presented pleasingly on the page, including a thumbnail of each book. Use the booksite database (the one with images and descriptions).
2. Assignment will use Bulma or Bootstrap as a third party CSS framework, and will have a professional appearance. (Use your framework of choice correctly).
3. The page must be populated from data in your Vue instance.
4. Create a book component to use for the list view that provides a template for each book in the list.
5. The title of each book must be clickable, and when clicked open the specific book in a modal form. You will need to create a component for this modal.
6. The form must accept data for the book table (it is not necessary to JOIN the other tables in the database... simply allow the user to enter integers for the joining foreign keys.) The form should be submitted by ajax (vanilla, jQuery or Axios) by click of the submit button. I feel like experimenting with submitting individual fields on change of value, feel free, but final submission must be by click of button, and updates in the db should not occur until a full submission is made.
7. Form validation should be performed on the server using your Validator class. This is the same as the Ajax form validation we did in class using jQuery. Send back an object with two parameters.. success: true or false. And errors... an array of error messages.
8. When the form is successfully validated it should be saved in the database, updating the book record.

9. When you receive a success message from the server, display a success message to the user using either a modal or message, in whatever format your chosen CSS framework uses. (Again, you will need a component for this message or modal).
10. Finally, on success, query the server for the updated version of the book and update your Vue data. (Ideally, you would query only for the updated record, and update only that record in your book data. If, however, you find that too difficult, simply query for the entire book list and update all your book records.)

Submission Guidelines

Create a Bitbucket repository for your assignment. Commit your work frequently and with meaningful commit messages. When you are finished:

1. Make a final commit with the message 'ADVANCED PHP ASSIGNMENT 2 COMPLETE', then push your work to BitBucket.
2. Download a zip archive of your assignment from Bitbucket (I will show you how to do this in class)
3. Rename the zip archive with your name:
lastname_firstname_advanced_php_assignment_2.zip and upload it to the **OneDrive** folder I have shared with you.
4. Export your full git log for the assignment and copy it into the body of an email, then send it to me to let me know your assignment is ready for marking.

Note, if for any reason you must start a new git repository that would mean losing many git commits, you must ensure that you retain the old repository as well as the new one. When you export your git logs, you must export from both the old repository and the new one and include both in your email.

Late Penalties

Assignments submitted after the submission deadline will receive a 10% deduction. An additional 10% will be deducted for each late day. Assignments will not be accepted after the third late day and will receive a mark of zero.

Rubric

Criteria	Zero Marks	Partial marks	Full Marks
Assignment is fully functional and works as expected.	Assignment is not functional/	N/A	Assignment is fully functional
	0	N/A	50
Vue book component created and used correctly for output of book list.	A component was not used for output of the book list.	A component was created, but not used, or not used correctly.	A book component was created and used correctly in the book list.
	0	1 – 9	10
Vue modal component created and used correctly for form.	A modal component was not created, and or not used correctly for the editing form.	A modal component was created but was not used correctly.	A modal component was created and used correctly for the editing form.
	0	1 – 9	10
A Vue message component was used for the success message.	A message component was not create for the success message.	A message component was created, but was not used correctly for the success message.	A message component was created and used correctly for the success message.
	0	1 – 9	10
Ajax (axios or vanilla javascript) used correctly to send POST request to server.	Ajax was not used to send POST request to server.	Axios and or vanilla ajax was used, but not used correctly to send POST request to server.	Axios or vanilla ajax was used and used correctly to send POST request to server.
	0	1 – 9	10
Server side code works properly in all respects	Server side code generates error or otherwise does not work.	Server side code works, but does not work correctly, and or does not validate submission properly, and or does not respond correctly.	Server side code works properly in all respects and returns the expected results.
	0	1 – 19	20

Criteria	Zero Marks	Partial marks	Full Marks
Vue app handles responses from POST submission correctly	The Vue application does not handle or deal with the response from the server.	The Vue application handles the response, but does not do it correctly... eg: does not output error messages, does not output a success message, or does not update book data.	The Vue application correctly handles the response from the server, outputs errors and/or a success message, and correctly updates the book data in the Vue application.
	0	1 – 19	20
Professionalism in appearance and layout	Assignment does not exhibit professionalism in terms of layout, design, and coding, or otherwise shows little effort in terms of appearance.	Assignment shows some level of professionalism, but is lacking in some area of layout, design, coding or appearance.	Assignment exhibits professionalism at all levels in terms of layout, design, coding and appearance.
	0	1 – 19	20
Assignment meets all submission requirements	Assignment does not meet one or more submission requirements (see assignment description).	N/A	Assignment meets all submission requirements (see assignment description).
	0	N/A	10