

Assignment 2 – Intro to Web Programming

This assignment requires you to insert perform CRUD operations on a database, validate user inputs, implement security, use common elements, upload files, and handle errors using PHP scripting. Your mark counts for 30% of your final grade.

Due Date – Wed Apr 14 @ 12:00 am

Submission Requirements via Blackboard:

- Zipped file containing all the files required to run the application

All work must be your own. Failure to submit an independent assignment will result in a minimum penalty of grade of zero. You may use my GitHub code as a **reference only but cannot download the code, modify it and submit as your own assignment. All submissions are subject to an in-person code review - you may be asked to walk through and explain your code to help ensure it is entirely your independent work.**

In this assignment you will use PHP, HTML, and SQL to:

- Allow anyone to view the list of data in your site
- Allow users to register and log in to your site
- Allow only authenticated users to add, edit, and delete records from your database
- Create a common header
- Implement file upload and display
- Implement effective error handling
- Document your code with comments within your scripts
- Incorporate a clean, consistent design

Application Requirements:

1. Create a home page for your site that describes the purpose of your site and how it was built.
2. Create a header that is included on all pages. The header should have a navigation bar with links to your new home page, as well as the page you created for assignment 1 that displays a list of data in an HTML table. When users are anonymous, the header should also show Register and Login links. When a user registers, Register and Login should be hidden and their username and Logout should become visible in the navigation bar.
3. On the page listing all of your data in HTML table format:

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- a. Add a link to create a new record (if you don't already have this from Assignment 1)
 - b. Add Edit and Delete links
 - c. Add a Delete confirmation to the Delete links
 - d. Hide the Add, Edit, and Delete links for anonymous users but display all these links to authenticated users
4. Implement full Edit and Delete functionality for authenticated users. (You did not have to do this for Assignment 1 when you only did Create and Read operations.)
5. Ensure your pages to Create, Edit, and Delete are only accessible to authenticated users.
6. When adding or editing a record, add the ability to upload an image with each record.
7. Implement CSS, either your own, Bootstrap, or a CSS or Bootstrap theme that you find online. If you use a 3rd-party CSS, you must document where you found it, as well as in your header.php file where you will link to it.
8. Implement proper error handling:
 - a. 404 error page with the correct .htaccess file
 - b. General error page
 - c. Try Catch blocks on all of your code blocks that access the database. If errors occur the user should be redirected to your General error page

Evaluation Method

Your work will be evaluated based on how your site performs when loaded from the web server as well as through a review of your code.

Evaluation Criteria (max 26 marks + 2 possible bonus marks)

Criteria	0-2	3-4	5-6	7-8	Marks
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Edit and Delete	Missing	Partly complete	Mostly complete	Fully functional	4
Authentication	- No Register, Login, or Security	- Partly complete security model	- Mostly complete security model	- Full Registration & Login, all create / update / delete links & pages secured	8
Shared Header	None	Partly done	Mostly complete header w/navbar	Available on all pages, shows correct links when logged in / anonymous	2
Image Upload	- Missing	- Some attempt to upload	- Mostly functioning image upload & display	- Complete photo upload & display	4
Visual Appeal	-Colour scheme is evident; -Font is inconsistent, not properly sized or does not stand out against background	-Colour scheme is somewhat; Font is mostly consistent, properly sized and colour stands out fairly well against background suitable	-Colour scheme is appropriate; Font is consistent, properly sized and colour stands out against background	-Colour scheme is appealing; Font is consistent, properly sized and colour stands out against background. Site looks different from Barrie Eats. Any 3 rd party CSS is documented.	2
Error Handling	- No error handling	- Some error handling	- Most error handling	- Complete error handling with full use of try catch and bound parameters statements	4
Deployment	No comments	Partly working deployment	Deployed to github but not all requirements met	Min 4 commits to private repo, README file & server deployment	2
*** WILD-CARD BONUS ***				- Up to 2 bonus marks for any additional working functionality of your choosing	2