

Assignment One

Database Integration

Due: Week 4 @ 11:59pm

Description:

For this assignment you will be required to construct a website where the user can add content to the database. The theme of the website can be of your own choosing, however, here are some recommendations:

- An employee portal that tracks hours worked and other employee information.
- Student records that track student information such as grades.
- A subscriber portal that stores their information and interests.

The website should have a professional finish and be all of your own work.

Instructions:

Please read and follow the instructions below carefully.

HTML

- Create one page where the user can add data to the database.
- The page should have a header that contains a navigation and logo.
- The page should have a footer.
- Create an HTML form with all the required attributes.
- Use input types that match the content that you are requesting.
- HTML should be validated and error free.

PHP

- Create a connection to the database.
- The values received from the form should be validated and stored in variables.
- Using the correct SQL query save the form data to a table in the database.
- All PHP should be functional and error free.

CSS

- The page should have a polished finish, Bootstrap is welcome, but you will still need to add some of your own CSS.

Submitting Your Work:

Localhost: If you are using localhost, please follow the instructions below:

1. Upload all the files required to test your assignment, this includes a copy of your SQL to your GitHub repository.
2. Add me as a collaborator to the repository.
3. In the assignment submission provide a link to the GitHub repository.

Evaluation:

Below is a breakdown of how your assignment will be graded. Please note that all late submissions will be subject to a 20% deduction for every 24hrs past the deadline.

| Task | 0 - 1 | 2 - 3 | 4 - 5 | Mark |
|-----------------|--|--|--|------|
| File Hierarchy | Files are not organized | There is some organization | Files are sorted into the correct directories | /5 |
| Valid HTML | HTML has 5 or more errors | HTML has no less than 1 error but no more than 4 errors | HTML has no more than 1 error | /5 |
| Metadata | All the required metadata is missing | Some metadata is missing | All the required metadata is included | /5 |
| HTML Elements | HTML elements did not match the content or were used incorrectly | A few elements were used incorrectly | HTML elements were used correctly and match the content used | /5 |
| HTML Form | No HTML form was found or was missing the required attributes | HTML form had errors or was missing some required attributes | HTML form was built correctly | /5 |
| Form Inputs | No inputs were used | Some input types did not match the content requested | Input types were used correctly | /5 |
| SQL | No SQL was found or provided | SQL was provided but with errors | SQL worked correctly | /5 |
| Create Function | No Create function found or did not function at all | The Create function worked | The create function worked correctly | /5 |

| | | | | |
|---------|---|--|-----------------------------------|-----|
| | | but with some errors | | |
| Styling | No CSS was used or was not in a separate file | Only a CSS library was used or minimal CSS was applied | Website had a professional finish | /5 |
| Grade | | | | /45 |