**Database Application Programming**

**Project Status and Design Report**

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| --- | --- |
| **Topic:** | *Topic 3: PHP Functions* |
| **Date:** | *10/13/20* |
| **Revision:** | *3.0* |
|  | |  |  |  | | --- | --- | --- | | **Task** | **Hours Worked** | **Hours Remaining** | | *Make logout page* | *1.5* | *0* | | *Make Add blog post page* | *1.5* | *0* | | *Make blog view page* | *2* | *0* | | *Make main welcome page for when user logins in* | *2.5* | *0* | | *Make functions page* | *0.5* | *0* | | *Edit CSS* | *4* | *0* | | *Edit main home page, login page, register page, and data handler pages* | *3* | *0* | | *Make footer page* | *2* | *0* | | *Project report* | *3* | *0* | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |
| **GIT URL:** | *https://github.com/MrDuise/Blog-Project.git* |
| **Hosting URL:** | *N/A* |

**Supporting Design Documentation**

**Install Instructions:**

Installed MAMP, setup a database called ‘registration’ with a table called ‘users’ to store the registration information. Table includes the columns ID, USER\_NAME, LAST\_NAME, Email, and Password. ID is auto incremented. You also need a table called user\_posts. This table is connected to the users table using MySQL Workbench. The user\_posts table has the columns ID, Blog\_Title, Blog\_Entry, and Users\_ID. In order to run this code, you need MAMP and mySQL workbench installed, the server ports set to the MAMP default, and the web server being used to be set to Apache. The files need to be in the document root C:\MAMP\htdocs

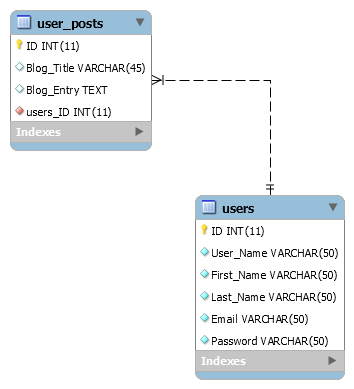
**General Technical Approach:**

For version 3.0 of my project, which is a part of the milestone 3 requirement, I expanded on a lot on both the CSS and functionality of the pages. I made each file a php file but added in html code when needed. This allowed me to add footer files to my pages. All form entry uses the ‘post’ method now instead of the ‘get’ method, for security reasons. Main-welcome page will not allow a user to view page if they are not logged in, if a user attempts to view said page with the back button after logging out, they will be asked to login back in. The form to add a post checks for certain key words that are not allowed, and will block the post from being added to the database if they are detected.

**Key Technical Design Decisions:**

As stated above, I made each file a php file, allowing me to add external files when needed. Multiple users with the same username are not allowed to register. When user logs in, the username that they registered with is on display in the nav bar. When user clicks log out, they are greeted with the login page. The icon right next to the title in the tab has been changed from the default.

**ER Diagram:**

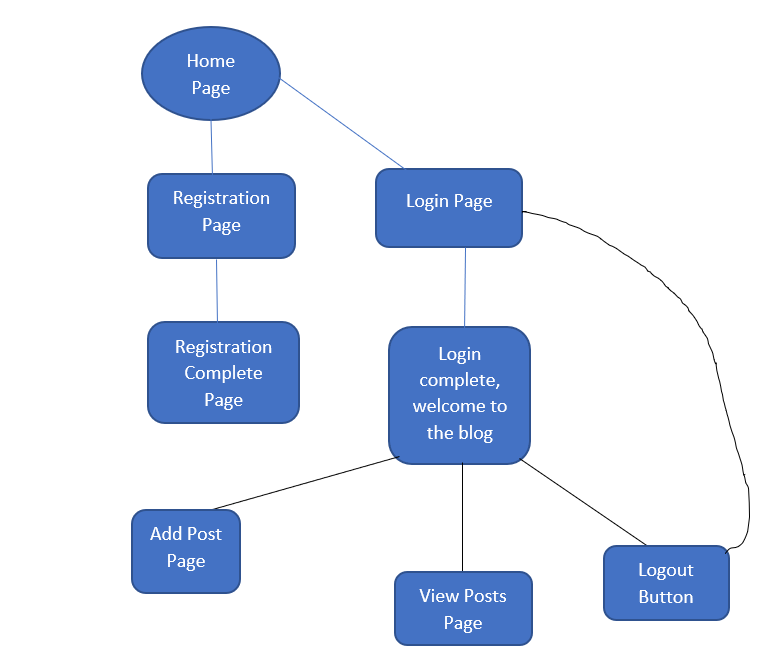


***The tables are linked so that one user can have multiple posts***

**DDL Scripts:**

*N/A*

**Sitemap Diagram:**

**

**User Interface Diagrams:**

Diagram

Description automatically generated

Main Page After Login

Diagram, schematic

Description automatically generated

Add Post page

**Other Documentation:**

*I had no other drawings or documentation*

|  |  |
| --- | --- |
| **Topic:** | *Topic 2: PHP Control Constructs, Operators, and Variables* |
| **Date:** | *09/30/20* |
| **Revision:** | *2.0* |
|  | |  |  |  | | --- | --- | --- | | **Task** | **Hours Worked** | **Hours Remaining** | | *Updated Registration form with required data fields* | *1* | *0* | | *Updated Welcome Page* | *1* | *0* | | *Created login page with connection to Database with required data fields* | *1* | *0* | | *Adding CSS to pages* | *2.5* | *0* | | *Finish documentation* | *2* | *0* | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |
| **GIT URL:** | *https://github.com/MrDuise/Blog-Project.git* |
| **Hosting URL:** | *N/A* |

**Supporting Design Documentation**

**Install Instructions:**

Installed MAMP, setup a database called ‘registration’ with a table called ‘users’ to store the registration information. Table includes the columns ID, USER\_NAME, LAST\_NAME, Email, and Password. ID is auto incremented. In order to run this code, you need MAMP installed, the server ports set to the MAMP default, and the web server being used to be set to Apache. The files need to be in the document root C:\MAMP\htdocs

**General Technical Approach:**

For version 2.0 of my project, which is a part of the milestone 2 requirement, I expanded on a lot on both the CSS and functionality of the pages. Each page now has a navbar at the top, allowing access to each of the main pages. The pages are the welcome page, the registration page, and the login in page. This expands the usability of the blog in so that the user does not have to use the back button to go back to an earlier page. The registration complete page also has a navbar at the top allowing the user to either register a new user or login to their account.

**Key Technical Design Decisions:**

Version 2.0 does not allow blank entry forms in either the registration or login pages. All data forms must be entered in order to either create a new user or login. It does allow an unlimited number of attempts to login in though as well as multiple users to be inserted with the same username and password. This will be changed in the next revision.

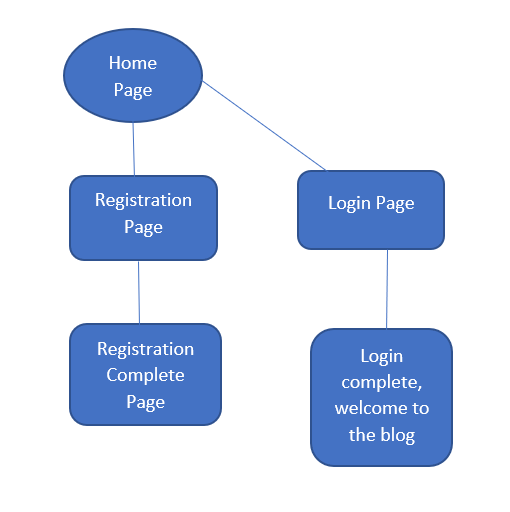
**ER Diagram:**

*N/A*

**DDL Scripts:**

*N/A*

**Sitemap Diagram:**

**

**User Interface Diagrams:**

**Diagram

Description automatically generatedA close up of a piece of paper

Description automatically generated**

Registration complete page

Welcome page

**Diagram

Description automatically generated**

Registration Page

**Text

Description automatically generated**

Login page

**Other Documentation:**

N/A

**Database Application Programming**

**Project Status and Design Report**

|  |  |
| --- | --- |
| **Topic:** | *Topic 1: Introduction to PHP and MySQL* |
| **Date:** | *09/18/20* |
| **Revision:** | *1.0* |
|  | |  |  |  | | --- | --- | --- | | **Task** | **Hours Worked** | **Hours Remaining** | | *Created HTML Registration Form* | *1* | *0* | | *Created Welcome Page* | *1* | *0* | | *Created Data Capture page with connection to Database* | *1* | *0* | | *Adding CSS to pages* | *2.5* | *0* | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |
| **GIT URL:** | *https://github.com/MrDuise/Blog-Project.git* |
| **Hosting URL:** | *N/A* |

**Supporting Design Documentation**

**Install Instructions:**

Installed MAMP, setup a database called registration with a table called users to store the registration information. Table includes the columns ID, USER\_NAME, LAST\_NAME, Email, and Password. ID is auto incremented. In order to run this code you need MAMP installed, the server ports set to the MAMP default, and the web server being used to be set to Apache. The files need to be in the document root C:\MAMP\htdocs

**General Technical Approach:**

For version 1.0 of my project, which is a part of the milestone 1 requirement, my project is very simple. I have a welcome page, registration page, and some text that gets displayed after the data has been entered into the form. Text for each page is centered into the center of the screen as I felt it looked better than being off to the side. It focuses the user’s attention. The welcome page displays text welcoming the user to the page with a button below that says register. Clicking on this button opens the registration page, which has a php form action attached to it allowing the data the user enters to be inserted into the database. This page also displays a message when the user has completed registration.

**Key Technical Design Decisions:**

This is a basic attempt. Code does not include any security or error checking. Database entries will be made even if no data in entered into the form.

**ER Diagram:**

*N/A*

**DDL Scripts:**

*N/A*

**Sitemap Diagram:**

*A close up of text on a white background

Description automatically generated*

Login page and Blog home page have not been started yet. This diagram was designed after the coding process had already begun. Currently the only pages are the welcome page, register page, and registration complete page.

**User Interface Diagrams:**

This is a first attempt, basic page. Nothings was planned out ahead of time. I just wanted to make the registration page. Cover/welcome page was added after register page was already complete.

**Other Documentation:**

N/A