**Database Application Programming**

**Project Status and Design Report**

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| --- | --- | --- |
| **Topic:** | *Milestone 2: Login Page* | |
| **Date:** | *March 2019* | |
| **Revision:** | *2.0* | |
| **Team:** | 1. *Samantha Krall* | |
| **Team Status:** | |  |  |  |  | | --- | --- | --- | --- | | **Task** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | *Build tables in MySQL for login process* |  |  |  | | *Write functions that will enable the capturing of user input and store in the database* |  |  |  | | *Build the functional login form to capture user login* |  |  |  | | *Perform user authentication* |  |  |  | | *Build MySQL tables to store information and enable desired functionality* |  |  |  | | *Connect Registration and Login Pages* |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **GIT URL:** | *https://github.com/SamanthaKrall/CST-126* | |
| **Hosting URL:** | *https://portal.azure.com/#@mygcuedu6961.onmicrosoft.com/resource/subscriptions/74ab4d5e-49e5-4cd3-884b-12c354d4cd07/resourcegroups/CST-126/providers/Microsoft.Web/sites/CST-126/appServices* | |
| **Peer Review:** | *Y* | We acknowledge that our team has reviewed this Report and we agree to the approach we are all taking. |

**Supporting Design Documentation**

**Install Instructions:**

*localhost:3306/milestone*

**General Technical Approach:**

*You should, in words, describe your approach and design here. You should also summarize any meeting notes, brain storming sessions, etc. that you want to retain thru the design of your project.*

**Key Technical Design Decisions:**

*Any final technical design decisions, such as framework decisions etc., should be documented here. This should list the technology/framework, its purpose in the design, and why it was chosen.*

**ER Diagram:**

*Image file of your ER database diagram.*

**DDL Scripts:**

[*https://github.com/SamanthaKrall/CST-126*](https://github.com/SamanthaKrall/CST-126)

**Sitemap Diagram:**

*Image file of your Sitemap diagram.*

**User Interface Diagrams:**

*You should insert any wireframe drawings or white board concepts that were developed to support your application. If you have no supporting documentation please explain the rational why you are able to leave this section as N/A.*

**Other Documentation:**

**Objective:** Create a login page for your blog.

**Activity**: Browse the Internet and review several login pages for sites similar to the one being built in this course. Create a list of several elements you think should make up a login page. Make sure to obtain instructor approval for the elements of your login page. Consider the execution flow to capture the user interaction.

**Execution**

Execute this assignment according to the following guidelines:

1. In MySQL, build the necessary tables to store the information required during the log in process.
2. In PHP, write the functions that will enable the capturing of user input and store in the database.
3. In HTML, build the functional login form to capture user login.
4. In PHP, perform the necessary user authentication. Before you code, document every detail of the user experience such as: number of login trials allowed, constraints on the password, etc.
5. Based on the desired interaction and data captured, build the MySQL tables to store this information and enable the desired functionality.
6. Connect the Registration and Login pages.
7. Document any revisions that might be necessary to code, schema, tables, or user interface created in the previous module.

**Deliverables**

A fully functional Login Page, including:

1. The schema diagram/wireframe
2. All necessary SQL tables
3. All necessary PHP code
4. All necessary HTML

**Submission**

Submit the following:

1. An updated Project Report containing a description of the project, a list of all modules and files along with a user guide. Within the report, make sure to explain how the desired functionality, features, and constraints have been implemented in code.
2. All necessary files uploaded to the GCU Cloud Hosting Solution.
   1. In each file, include a commented header with the following information: Project name and version, Module name and version, Programmer(s) name(s), Date, Short synopsis of the module, References.
   2. Comments within the code explaining non-obvious sections

**Implementation Notes**

Ensure that concepts and functionality addressed in the course are reflected in your project.

Consult external resources and references to improve and expand your project as needed.