Framework Document and Declaration of Independent Work

The framework and declaration must be complete and handed in (either as a .doc or .pdf) for your assignment to be graded!

PERSONAL DECLARATION

"This assignment constitutes original work by ME (name and student number filled in below). Any sources that were used to help in the assignment are properly documented in the references below and noted in the comments on the pages. In addition, no part of the document has been submitted for any other course."

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Student Number: B00868994

Date: March 22, 2024

(Please note, filling in your name, BannerID and Date, it means that you have read and agree that the above statement is true. Also note, that you must 'sign' this declaration for the Assignment to be graded).

FRAMEWORK DOCUMENT

Assignment Number: 4

Describe the purpose of the site/assignment:

The purpose of the site/assignment is to create a web application that allows users to log in and manage events. Session variables are used to keep track of the logged-in status and the GroupID of the user/group. When a user logs in, the login session variable is set to true and the GroupID session variable is set. Users are directed to the post.php page after logging in, where they can add new events. If a user/group member tries to access the Post page without logging in, they are redirected to the login page. Once logged in, users cannot return to the login page until they log out. Logging out ends the session, removing the current user/group, and directing the user/group back to the login page. New users are also able to create an account and post an event, which will add to the community groups page. The sidebar on the events.php have also been updated so that only upcoming and latest added are shown, which has functionality and is also in ascending date order.

Updates to Pages/template
Note there may be more rows than pages you updated. You can remove unused rows. Or add additional ones if needed]
- Describe (overview) what you did on each page and if you were asked to make improvements from a previous assignment, make sure you describe how you addressed these.
- ALL PAGES MUST ALSO BE COMMENTED (this document does not negate the requirement for comments).

Page name (e.g., index.php)	Short Description of what you did:
Page 1: createAccount.php	This PHP code snippet establishes a connection to a MySQL database using mysqli, retrieves form data using the POST method, and performs a series of operations based on that data. It first checks if the connection is successful, then prepares and executes a SELECT statement to check if a username already exists in the database. If the username is unique, it inserts the form data into the Groups and Login tables, sets session variables for the user, and echoes "OK." If the username already exists, it echoes "Username already exists. Try again." Finally, it closes the database connection. I also added an HTML code snippet that creates a Create Account form using Bootstrap classes for styling. The form includes input fields for the community group name, group type, contact name, contact email, group image name, group description, username, and password. It also includes elements for displaying loading, error, and

	success messages. The form is submitted to a PHP script called "createAccount.php" using the POST method. The submit button is styled with the "btn btn-success" classes, giving it a green color to indicate a successful action. When clicked, this button submits the form data to the "createAccount.php" script for processing.
Page 2. post.php	The PHP code snippet handles the insertion of event data into a database table. It first checks if the user is logged in by verifying the existence of session variables. If not, it redirects the user to the login page. It then establishes a connection to the database and retrieves form data using the POST method. The code prepares and executes an SQL statement to insert the event data into the "Events" table. It also retrieves and sets the event type ID and group ID based on the form data and session information. Finally, it echoes "OK" upon successful insertion and closes the database connection. Another PHP code snippet retrieves and displays the group name based on the GroupID stored in the session variable. It first establishes a connection to the database using the server login details. If the connection is successful, it executes a SELECT query to fetch the group information from the Groups table where the GroupID matches the one stored in the session variable. If the query returns exactly one row, it fetches the row as an associative array and echoes the group name. Finally, it closes the database connection.
Page 3. login.php	This PHP code snippet handles user authentication for a login system. It first includes the server login file for database credentials and starts a session. If the logout query string is present and logout is requested, it unsets all session variables, destroys the session, and redirects to the login page. If the user is already logged in, it redirects to the post page. The code then connects to the database and checks if the connection is successful. If the request method is POST, it retrieves the username and password from the form and prepares a select statement to fetch user details. It executes the statement, stores the result, and verifies the username and password. If they match, it stores the user data in session variables, displays a success message, and redirects to the post page. If the username or password is invalid, it displays an error message.
Page 4. events.php, about.php, single-post.php, index.php, groups.php	I added code in the nav bar for each php file which shows the login dropdown where the user can logout or the user can also login, which leads the user to the post.php file. I added the code " Logout " to logout when in other php files.

References:
[include the reference, **where you used** it and **how** you used it [you should include a note about using outside material in your comments on the pages themselves]. If you have used any AI tools, include a screenshot of the question and answer].

I used the given slide decks of CSCI 2170 lectures (Lecture10_PHP5, Lecture11_PHP6, Lecture12_PHP7, Lecture13_PHP8_Sessions) and used code in the given examples to connect to the database as well as using functions to get the desired specifications in the assignment.

Any other notes: