CSCI 2170 Assignment 3 Documentation

**Purpose:** The purpose of this assignment is to create the layout for the development of a lightweight Content Management System. All of the design elements will conform to the **Bootstrap (***Bootstrap v4.5***)** standards. The general layout of the pages makes use of the **Clean Blog (**Clean Blog - Bootstrap Blog Theme**)** themes as well as the **Blog Post (**Blog Post - Free Bootstrap 4 Blog Starter Template**)** themes.

Adaptations from Assignment1:

1. Removed any unnecessary folders to maintain the proper structure.
2. Only leaved the vendor files because the bootstrap folder is contained within it.
3. Added comments for the php code.

Adaptations for Assignment3:

1. Load the data from the table ***Posts*** for all the posts, create html template within the php code segments, and added appropriate query strings for each post, so it can be used later on in the post.php for populating the content onto the page, and add comments into the correct file.
2. Based on the query string passed in from the index page, load the content of the page dynamically into the page (post picture, text and date). Add comment into the corresponding file when the comment is submitted through the post request on the page. Comments are loading based on the date.
3. The three <hr> tags in assignment 2 are replaced by functionalities for adding new post into the database, and this change will reflect on the index page once it was redirected.

Description of Implementation of changes for assignment 3:

1. All of the database related operations (database creations, table definitions, and data populations are all in **PictureGram.sql.**
2. The first part of the sql file create the database and uses it to create the database dump; the second part of the sql file will define the tables, **Users, Posts, and Comments”.** The last part of the sql file populates data into the three table.
3. In assignment 2, we were using file to create posts, comments and etc. In this assignment, it was replaced by DB operations instead.
4. The addPost.php page will create a post if both fields were not empty, and it will show a new post if it creates a post successfully in the database.

Adaptations in assignment 4:

1. Used sessions to track the currently logged user, once the user clicked logout, the session will be removed.
2. The prepare statements for all of the select statements on the index page have used.
3. Add login and create account functionality in the assignment.
4. Allow the user to click on the view the profile of different user.
5. The hardcoded user id has all been replaced by a dynamic user id based on the content.

References:

J. T. Mark Otto, “Introduction,” *· Bootstrap v4.5*. [Online]. Available: https://getbootstrap.com/docs/4.5/getting-started/introduction/. [Accessed: 03-Oct-2020].

Start Bootstrap, “Clean Blog - Bootstrap Blog Theme,” *Start Bootstrap*. [Online]. Available: https://startbootstrap.com/themes/clean-blog/. [Accessed: 03-Oct-2020].

Start Bootstrap, “Blog Post - Free Bootstrap 4 Blog Starter Template,” *Start Bootstrap*. [Online]. Available: https://startbootstrap.com/templates/blog-post/. [Accessed: 03-Oct-2020].