Computer Science Department
Web Application and Technologies (COMP 334)
Second Semester 2022/2023

Assignment 2: PHP   *Due Date 15/06/2023 at 17:00*

Objectives
 To practice sessions, MySQL processing through PHP scripts.

Notes:
•   You must define your database connection details in a separate file called "db.inc", it should define the required variables used to create a connection and create a **PDO** object.
•   You should always use ONLY **prepared statements** with named binding parameters for any database SQL.
•   You must submit forms using the post method.

Overview

For this assignment, you will write an application that allows users to use the web programming community of practice, you must write PHP scripts to generate dynamically generated web pages based on the data retrieved from the database. The following functionality must be implemented:

Sign Up: the user must sign up in order to be able to share knowledge. However, *search functionality should be available for all users*. Sign-up functionality is a two-step process: first, the user must create an **e-account** using its email address as a username, and password the password must be at least 8 characters long. Therefore, you can assume every applicant has a unique e-mail address. The members can use their email and password to log in to the system to be able to use the knowledge base and file-sharing functionalities. Secondly, **upon successful user registration,** the user can create **User profiles:** User profiles allow members to create a profile that includes their name, photo (only png, gif, jpeg), brief bio, CV (only PDF file is accepted), area of experience, level of experience (beginner, intermediate, advanced, and expert), and area of interest. This feature can help members learn about each other and find people with similar interests and expertise.

Knowledge base: A knowledge base is a database of information and resources members can access. This feature can be useful for members who want to learn about a topic or find answers to common questions. Article creation: The knowledge base functionality should allow users to create and publish articles within the knowledge base. Articles should include titles, descriptions, keywords, body text, and relevant images or videos.

File sharing: File sharing allows members to upload and download files such as documents, images, and videos. This feature can be helpful for members who want to share resources, that include files, titles, descriptions, and keywords.

Search functionality: Search functionality allows members to search for specific topics, keywords, or members. This feature can help members find relevant discussions, resources, and experts. The search functionality should have a search bar should allow users to enter keywords, phrases, or topics they want to search for. Also, the user should be able to search for an author. The search result should be displayed in a table format:

Title	Author	Description

The title should be clickable, which opens the full description on a separate page.

General Requirements and Placement of the Assignment Files
- You should not, in any case, use any external web development tool. Any try to use such a development tool will get you a mark of zero.
- Submission is only through the domain that we created for you.
- Since you are submitting to your domain at CSHost, it is *your responsibility* to make sure that your scripts, such as file upload, database schema, etc, will work properly on the CSHost server. Make sure that you upload your scripts and other development files before the submission date so that you have some time to test and fix any pop-up issues.
- This assignment involves the creation of some HTML pages, which must be dynamically created using PHP scripts.
- You must submit your files to CS Host. You should have an "*ass*" folder inside the "*web*" folder, you should create a subdirectory called "*ass2*", to which you must upload the task files.
- Create an index page for assignment 2 that provides information about your community and such as name, objectives, logo, and navigation to the site functionalities as given above.
- You need to update the Assignments page *("index.html"* page in the *"ass"* folder) navigation by adding a link to the assignment two index page.
- In the *"ass2"* directory, create a subdirectory called *images,* in which you upload all your images/photos, and use the relative address to refer to any of your images.
- Also, you must be compressed (Zipped) all your files to a file name as assTwo-stID.zip and submitted to ITC before the due date.
- 🛡 I will not accept any submission sent as a memo. Then you must submit before the due date, *which is on 15/06/2023 at 17:00 PM.*

GOOD LUCK and ENJOY THE TASK