Repeat Project – Build A Web Application

Class	SEWA
Stage / Year:	1
Module:	Software Engineering for Web Application
Assignment No:	Repeat
Deadline:	Late submissions will be penalized
Submission:	Upload to Moodle
Weighting:	Documentation 20% Client Side 5% Server side 25%

Introduction

For this assignment you will plan, design, and created a dynamic PHP web application with a MySQL back-end containing the following features: C.R.U.D. pages, user access control using sessions, dynamic navigation bars, CSS and modular code design.

Build a web application for a Fitness Centre (pick a name). The website will have 3 user levels:

- Public
- Member
- Admin

Build the public pages, then the member pages, then the admin

pages.

Web Application requirements:

- Handle form data in a secure manner e.g. use HTML and PHP validation techniques when handling user inputs.

- Make the website look professional by using good CSS techniques (frameworks) and appropriate content.

- Your HTML, CSS, and PHP code should be original and commented. You may be asked to explain any piece of code. Failure to understand and explain code may be taken as evidence of plagiarism. You may use frameworks such as bootstrap. All HTML and CSS should be validated.

- PHP code should be modular e.g. include header and footer files as opposed to copying and pasting the same code to several pages.

- The home page of the site should be called index.php

- Your website should follow best practice in terms of security.

- Store its data in a MySQL database.

- Connection to the database should be made using one file (e.g. connect.php).

- Database table names should be singular e.g. *user* not *users*.

Deliverables

Assignment must be submitted via Moodle

- One zipped file called repeat_*assignment_Studno1.zip* containing the following:
    - A completed documentation
    - Complete web application folder containing all PHP, CSS, images etc.
    - MySQL database dump file
    - A link to your site on Knuth server including login details

This zipped submission to Moodle is essential even **though** you **are required** to host your project on knuth and share the link with the lecturer.

Grading Summary

Marking Criteria:

- To pass, Members must present a working and usable application that covers the basic specifications provided above. To receive higher grades, you are expected to use innovation.

Marks will be awarded for:

- Implementing features
- Quality of HTML/CSS
- Quality of PHP/Database design
- Usability
- Innovation
- Commenting and Debugging
- Ensure that you code is well commented so the lecturer can see what is happening
- Include debugging code for SQL statements etc. and then comment them out so lecturer can debug easily if there is an issue.

Overall marks breakdown:

- **Initial Document – 20% of the module**
- **Final Application – 30% of the module**

Final application marks breakdown:

- **10% Visual Design: Navigation / Layout / Imagery / HTML / CSS**
- **5% Database Design**
- **5% Responsive Design**
- **5% System Architecture**
- **20% Code Quality/Commenting**
- **5% Usability**