Faculty of Information Technology

Course Code & Name: INSY8314 Web Design

Lecturer: Mr. BYIRINGIRO Eric   Date: 01/07/2025

Instructions:

Individual assignment

Design and develop a web application using HTML, CSS, and PHP that enables users to **sign up** and later **view and manage their profile records**. The application's structure follows a **semantic and responsive layout** built using HTML5 elements such as header, nav, main, section, article, aside, and footer, ensuring both usability and accessibility. The **homepage** introduces the purpose of the system, outlines its core features, and offers navigation links for easy access to different pages. It also provides helpful tips in the aside section and general information in a well-organized layout.

The **sign-up functionality** is implemented on the **sign-up page**, where users can enter their **full name, email, username, password and confirm password**. The form is created using an **HTML file**, and its action attribute points to a **PHP file** that handles the backend processing. This PHP script performs **input validation** to ensure data integrity and displays user-friendly error messages. Upon successful registration, the user's data is securely stored in a **MySQL database**, and the user is redirected to the **profile page**.

The **profile page** retrieves the user's information from the database and displays it clearly using the article tag, preserving the semantic structure of the layout. Users may also be given options to **update or delete their profile**, enhancing the interactivity and functionality of the system. **CSS** is used throughout the project to create a **clean, attractive, and responsive interface** that adapts well to different screen sizes.

To enhance the visual appeal and user experience of the web application, you are instructed to **integrate relevant images** into various sections of the project. These images should support the theme of **user registration, account management, and web interactivity** while maintaining a clean, professional look. Here's how and where to incorporate them:

➕ **Homepage:**

- **Header section**: Add a **logo** or **banner image** representing the system or organization.

- **Main section**: Include an **illustrative image** that visually represents user registration or online profile management.

➕ **Sign-Up Page:**

- Add a **form-side image** or **background illustration** to create a modern and inviting design.

➕ **Profile Page:**
- Include a user profile-related image at the top of the profile section.