

IS 181 INDIVIDUAL ASSIGNMENT

DEADLINE: 19th June 2023, at 0900hrs

Create a personal website with the following menu items: home, about me, register, courses, CV, community engagement, news, library, and contacts.

- The **home** menu item should point to a landing page of your website. It should welcome visitors to your website and give them general information about you and your website.
- The **about me** menu item should
 - summarise your education background;
 - describe the university programme you are currently enrolled in, why you enrolled in it, your favourite course in the programme you are enrolled in, and your discussion group;
 - describe the means of sponsoring your degree—whether you are self-sponsored, on a scholarship, or sponsored by the Higher Education Students' Loans Board (HESLB); and
 - outline your career goals.
- The **register** menu item should allow a user of your website to create an account that they can use to access specific parts of the website. It should have a registration form that captures the following information: first name, middle name, surname, username, password, CV (uploaded as a file), contacts (email address, mobile number, and social media accounts (Facebook, Twitter, and Instagram)). Email addresses should be checked for correctness upon entry, and the password should be at least 10 characters long and should contain both alphanumeric characters and special characters.
- The **courses** menu item should get you to a page where you can register and display information about the various courses you have attended so far at the university. Among other things, you should have a form to capture the following information and store it into the database: course name, course code, brief course description, offering department, semester in which it is/was offered, academic year, name of course instructor, and results (grade). The application should strive to minimize direct typing of user inputs; it should, instead, try as much as possible to allow a user to select inputs from a range of possible values for a particular form field. Appropriate validations of form field values should be made to ensure, among other things, that both course name and instructor's name cannot exceed 30 characters, course description cannot exceed 50 characters, and inappropriate grades are flagged. Importantly, the website should also be able to retrieve and display on a web page, in tabular form, all course information stored in the database. Access to the contents of the courses menu item should only be allowed for registered users upon successful login to the website.
- The **CV** menu item should enable the display of your detailed CV. Your CV should only be displayed to visitors who have logged in to your website.
- The **community engagement** menu item should list and describe different community service activities you have been (or are currently) involved in.
- The **news** menu item should show display different breaking news you would like to bring to the attention of the visitors of your website.

- The **library** menu item should display from the database a list of books (both academic and non-academic) you have read so far. The following information should be displayed for each book: author, title, publisher, and year of publication. Your library should only be accessible to visitors who have logged in to your website.
- The **contacts** menu should enable the display of the following information from the database: your email, mobile number, Twitter account name, Instagram account name, Facebook account name, and physical address.