**University of Bahrain**

**Information Technology College**

**Computer Science Department**

**ITCS 333: Course Project**

**BASIC REQUIREMENTS:**

You should form groups of 6-7 students each.

**PROJECT MAIN GOAL:**

Use current web and Internet development tools and techniques to create a small web-application.

**PROJECT THEME: Responsive Web-Based Online Questionnaire Website**

Select your own theme for the quizzes which can be math for kids, languages, history, sports, IT, programming , etc. Choose your own theme and design accordingly.

The main functionalities of the system might include but not limited to the following:

1. **Website design requirements:** 
   * You can use bootstrap v4/v5 framework or design your own responsive website using your own media queries.
   * make sure it’s responsive in at least 3 views (Global, Tablet, Mobile) using bootstrap layout
   * make it attractive looking and unified in all pages.
   * DON’T USE READY MADE TEMPLATES as the aim of this project is to learn designing from scratch. Any group violate this rule, will receive ZERO in the web design.
2. **Registration and Login**

* Users can **register** themselves to the system ***(must be validated using regular expressions in both client and server sides) – no built-in validation in HTML5 is allowed – for training purposes***
* Users can **login** to the system (authorization)

1. **User Profile**

Users can do the following:

* sign up on the website, be entering username, password and profile picture.
* edit his profile (change info/password, upload photo).
* View the available questionaries list
* View the questionnaire details (topics, pre-requisite, number of questions, type of questions etc.)
* Respond to questionnaire and edit his previous responses.

1. **Admin Portal**

Admin user can Create New questionnaires with the following information:

* Questionnaire Details
  + Title
  + Description
* Questions Types
  + Yes or no.
  + Likert scale questions (1 to 5).
  + Multiple choice questions (always use 4 options exactly).
  + Short Answer Question.
* Review Questionnaire Result
  + Number of responses.
  + Updated questionnaire result that shows:

- Percentage for yes or no questions.

- The Likert scale average.

- The percentage of each option in Multiple choice questions.

- All the short answers.

Note: All form Inputs should be **Validated** using regular expressions for all the functions you have implemented.

**MAIN PROGRAMMING TOOLS:**

Assume the website will live on an Apache server so it can only be implemented in PHP, HTML/CSS and or JavaScript along with the use of MYSQL database. YOU MUST USE PDO/PHP interface to access MYSQL.

**GRADING:**

Basically, the grade will be divided into the following areas:

1. **Final Implementation: (80%).**: The level of complexity and the number of the functions you implement using PHP, or database and/or JavaScript/Ajax (**min 2 Ajax functions + Input Validation**) + the **responsive** web design**.**
2. Final **submission and Demonstration (20%).**: (complete code/DB + One Page Instructions) – Any delay or missing details in the submission will affect the overall grades of the project.
   1. The instruction should include the following:
      1. Team members details (Student ID, Name and Section)
      2. Online URL [for Testing] if applicable for final version
      3. Instructions to access your system (usernames/passwords of existing users for testing purposes)
      4. Instructions to setup your submitted code/DB in local computer.

**Deadline Saturday 22 May 2023**