University of Bahrain
Information Technology College
Computer Science Department
ITCS 333/473: Project

BASIC REQUIREMENTS:
You should form groups of 2 to 4 students each.

PROJECT MAIN GOAL:
Use current web and Internet development tools and techniques to create a small web-application.

PROJECT THEME: Online Restaurant Ordering System
the main functionalities of the system might include but not limited to the following:
1. **Registration and Login**
    *   Users can **register** themselves to the system *(must be validated using regular expressions)*
    *   Users can **login** to the system (authorization)

2. **User Profile Management and Participations**
    *   Users can manage and **edit** their profile (change info, change password, etc).
    *   Users can **browse** restaurant' menu, **search** menu, **view** menu item details
    *   Users can **add items** to the basket, **view basket**, **view total price** including delivery charges, **delete/update items**, **place order**.
    *   Users can track their the orders' status (acknowledged, in process, complete etc)
    *   Users can **view previous order, can re-order.**

3. **Restaurant Staff**
    *   Users can view current active orders with corresponding buttons to mark their status with acknowledged, in process, in transit and complete.

4. **Restaurant Admin [==Only required if your team is of 3-4 members==]** or **[Bonus for teams with two members only].**
    *   Admin users can **manage restaurant menu** items
        i. Edit items prices, pictures, names, description, category
        ii. Add new items
        iii. Remove items
    *   Admin can change User Roles from normal user to staff or admin.
    *   Apply discounts or offers.

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.

GRADING:

Your web-application implementation must show that you are able to decide which technology (HTML, CSS, JavaScript, PHP, Databases) to use for each website function. For Example, Client-Side scripts should be used for input validation while Server-Side scripts should be used for processing user data.

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

1. **Implementation**: The level of complexity and the number of the functions you implement using PHP, files, or database and/or JavaScript **(65%).**
2. The aesthetic **design**, the **usability** of your Website using HTML or/and CSS **(15%). All pages should have unified design.**
3. **Web Hosting**: uploading your complete website online and make sure all functionalities are working - **(10%).**
4. Final **submission**: (complete code/DB + One Page Instructions) - **(10%) for completeness, clarity and submission on time.**
   a. The instruction should include the following:
      i. Team members details (Student ID, Name and Section)
      ii. Online URL
      iii. Instructions to access your system (usernames/passwords of existing users for testing purposes)
      iv. Instructions to setup your submitted code/DB in local computer.

Deadline for Submission is on Thursday, 14th May 2020