This Project contributes 60% of Total CA Marks.

You should use HTML5, CSS, javascript and jQuery to complete this project. Submit the completed project folders and documentation files on or before **23 Nov 2019 11:55pm**.

Aims and Objectives
- To gain experience in designing website using HCI knowledge learned.
- To apply the basics of HTML5, CSS, javascript and jQuery programming.
- To gain experience in developing User-centered webpages using HTML5, CSS, javascript and jQuery.

Introduction
This is a group project and should be done in teams of 2 students. On the project cover sheet you must state the contribution of each member using the format below:

Student ID	Name	Contribution	Signature
181234567	Chan Tai Man	50%	
187654321	Wong Sui Ming	50%	

*** Remark: The difference of contribution should not be more than 10%; otherwise, approval is required**.

Scenario

InnoTech HK Inc. tried to provide a new service called "Yummy Everywhere" that provides an online portal for customers to browse takeaway menus of various restaurants in Hong Kong. Therefore, it provides services to two parties, restaurants and customers. You are the designer of this online portal. In order to develop a user-centered web application, you are going to create a prototype for the UI first.

Functions of the System:

There are three types of users: ***normal_user*** (customer**),** ***operator*** (restaurant) and ***administrator*** (InnoTech HK).

1. Restaurant Information Management:

- *Operator*
    - Input information of restaurant (including branches)
    - Update take-away menu
    - Allow showing/hiding special / temporary / seasonal menu according to the pre-set date or period
    - Hide/remove uploaded menu

2. Search & Browsing:

- *Normal_user*
    - Search take-away menu or restaurant by tags or keywords
    - View restaurant information and related take-away menu
    - Add/Remove take-away menu or restaurant to/from favorite
    - Leave like or comment on a particular restaurant
    (Public without registered, can only view/search restaurant information, but cannot view the menu.)

3. Account Management:

Normal_user could create an account by self-registration. While *Operator* accounts is created by *Administrator* manually.

- *Administrator*
    - Show existing users
    - Create and delete users
    - Manage the user role
- *Normal_user:*
    - Registration
- *Normal_user, Operator* and *Administrator*
    - Edit personal detail including change password

4. Additional Function:

You are required to design and add **the fourth function** to the system which should be of the similar scope size of the above mentioned functions.

Requirement of the Assignment

You are required to submit *System Documentation* and *Prototype* in HTML format as deliverables of this project. The design of your system should be self-explanatory and user-friendly. In your project, try to add animation to each function so to make them look more interesting and attractive to the users. Data validation is required wherever necessary. You are encouraged to add special features to score bonus mark, for examples: Visualize statistic in graphical formats, search restaurant information on a map (i.e., google map, baidu map and etc.).

1. System Documentation
A. User Analysis

You should carry out the User Analysis process before you start coding your system. In your document, you should include the following areas of research:

- User Characteristics
- Techniques for observing and listening to users
- Environment Analysis
- Recruiting Users
- Task Analysis (HTA)

B. Web Design Concepts

In the second part of the documentation, you should describe how you employ the web design concepts learned in the module and then implement them in your project. In the document, you *need* to capture relevant screen layouts for illustration. You should describe the Design Principles similar to the following table:

Design Principles	Description
Mental Model	
Affordance	
Content Organization	
Visual Organization	
Navigation	

2. Prototype

The Prototype should be created in HTML format. All the pre-created user name and password should be listed in a text file named "**USERS.TXT**". Database design/implementation will not be counted in the marking scheme. You may use JSON files or "hardcode" some data for demonstration purpose.

Submission

Each group should submit the followings:

Phase 1 : Prototypes of the 1ˢᵗ and 2ⁿᵈ Functions (30%)
- Prototype of the system which include function 1 and function 2.
- Upload your files to Moodle.

Deadline: **19 October 2019 11:55pm**

Phase 2 : Final Product (70%)
- Both system documentation and completed system.
- Upload your files (both the prototypes and system documentation) to Moodle.
- Demonstration of the system is required and will be arranged by the module lecturer.

Deadline: **23 November 2019 11:55pm**

Marking Scheme

They are described in the Project marksheet in the next page.

Marks for enhancement of the prototypes of the 1ˢᵗ and 2ⁿᵈ functions submitted in Phase 2 will be given *only if* the group has significant enhancement in those functions when comparing with that submitted in Phase 1. Besides, the maximum mark for that is limited to 15% (5% for the 1ˢᵗ Function and 10% for the 2ⁿᵈ Function) only. Besides, the overall marks of the Phase 1 must not be more than 30%.

Functionality includes the accuracy and adequacy of the functions. Data validation is also included.

System design includes the flow of the system, self-explanatory and user-friendliness.