

KIT202 ASSIGNMENT

A. INTRODUCTION

Online ordering and delivering systems are becoming more important since COVID-19. The online site will ensure that the current ordering and delivering system will provide satisfying services to various demands in Tasmania. This is membership-based system. Each member can deposit fund into own account first.

This service is based on membership.

- Served at Your Door
- Ordering food and beverage to your selected restaurant
- Making an order with delivery time

Three different types of users

- Customer: making an order
- Restaurant manager: managing the menu options and delivering time and method
- System manager: managing the whole site, for example, updating menu is possible

This assignment is to plan for both assignment 1 and 2, especially for the design of database tables need to consider most of functionalities that will be eventuated in assignment 2.

B. ASSIGNMENT 1

- Designing database tables for different restaurants with different delivery practices is important. Produce an ER diagram for the database design. To design relevant and useful database tables, you need to understand what the deliverables are in assignment 2.
- We can start the web site with 3 restaurants, but it should be able to add more restaurants by the user with higher access level, e.g. Manager in Assignment 2.
- Deliverables of Assignment 1
 - Initial page (Home page)
 - Becoming a member (registration)
 - Collect **necessary** information including credentials

- Registration page with double entry password check and a strong password policy should be implemented for the website. For example, length, combination of mandatory characters, or something. The detailed policy can be decided by your team. Please consider how strong that can be as well as its practicality.
- Validation of the information is done in client-side based script language, e.g. password, anything else needed
- Browsing available services: Member can browse services including menu. Some restaurants may have restrictions on service time, different delivery conditions to different suburbs. For example, if it is more than 10km (the list will be provided by the restaurant owner for assignment 2), there might be surcharge. In Assignment 1, you can plan and design the interface.
- Master page (for updates of available menus for each restaurant to select from for Assignment 2). System Manager can decide what available menus are for different seasons or months. Based on this information, each restaurant will decide which items to be included in their own menu (The working version is for Assignment 2, but you can design the page for Assignment 1).
- Customer account page: Each customer has own customer-account, and this customer-account includes financial balances. Once registered, each customer can view their transaction history with balance and can deposit more if needed.
- Planning for database tables. E-R diagram for the website.
- For Assignment 1, it doesn't require server-side programming. However, the use of scripting language is expected to validate any customer provided information.

C. ASSIGNMENT 2

- Deliverables: The whole website should be functional. Different access level will have different privileges. For example, saved registered customer records can be changed (modification and/or deletion).
- Authentication with encrypted password
- Registration page
- User management page – user can change their password, mobile number or email address
- System manager can add or remove restaurants, appoint a new or additional restaurant manager, allocate staff from one restaurant to another.
- Master page for updates of available menus
- All the conditions (e.g. available menus, available delivery times or deliverable suburbs for each restaurant) can be selected from master list page

- Order processing page: all the orders with details will be displayed for System manger and Restaurant manager.
- The ordering page will display a total cost of all items selected to be ordered. It will display a customer's account balance which will decrease or increase in value as menu items are added or removed from an order. There must be an order collection or delivery time selected from a drop-down list. All order collection times will be on the quarter hour e.g. 8:30am,10:45am,12:30pm. All order collection times must be at least 30 minutes after opening and at least 60 minutes before closing. Yes, you need to design to have opening and closing hours collected by each restaurant manager. This can be changed upon season. It will not allow a customer to order more than their account balance can pay for.
- If a customer made more than 5 orders, the customer will have 5% discount from 6th order.
- Feedback can be collected from customers.

D. DUE DATES

- Assignment 1: Week 5 Friday 11:58pm (20%)
- Assignment 2: Week 13 Friday 11:58pm (30%)

E. GROUP ASSIGNMENT

- Register in a Group in MyLO in Week 2. Each group will be based on the same tutorial class. You can form a group in your first tutorial in week 2.
- The same group will produce assignment 1 and assignment 2. Each group will have 3 members.

F. SUBMISSION METHOD

- Submission will be via MyLO. You will submit a .zip file which must include all the files for your assignment.
- By submitting this assignment, you will be deemed to have agreed to the following declaration:

I declare that all material in this assignment is my own work except where there is clear acknowledgement or reference to the work of others. I am aware that my assignment may be submitted to plagiarism detection software, and might be retained on its database. I have read and complied with the University statement on Plagiarism and Academic Integrity on the University website at www.utas.edu.au/plagiarism. I will keep a copy of this assignment until the final results of semester have been finalised.

G. LATE SUBMISSIONS

- Late assignments will only be accepted if the proper procedures have been followed as outlined in the School of ICT School Policy for Late Assessment (see the link below). Assignments that are submitted late without Unit Coordinator's approval will be subject to mark penalties as outlined in the School of Engineering and ICT School Policy for Late Assessment.
- The Application for extension of time for in-semester assessment is available from the ICT office or may be downloaded from the link below. Requests must be accompanied by suitable documentation and should be submitted before the assignment due date.

Downloads:

- Policy for Late Assessment - [Available Here](#)
- Application for extension of time for in-semester assessment [Available Here](#)

H. PLAGIARISM

- Practical assignments are used by the School of ICT for students to both reinforce and demonstrate their understanding of material which has been presented in class. They have a role both for assessment and for learning. It is a requirement that the work you hand in for assessment is substantially your own. Refer to the unit outline for further information.