[PROJECT REPORT]

[Delivery Chef – Website]

Team Victor

SANG KYU KIM [6268132]

MARK SUMOBA [1401199]

CLAUDIU MIHAEL TERENCHE [6268599]

Contents

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

1. Planning and Preparation

1-1. Planning steps

At the outset of the project, we confirmed the target audience and scope of work through team meetings. To ensure the efficient progress of the project, we categorized the tasks into three main areas. These categories include initial web page template development, DB analysis and normalization leading to ERD development, and design. We assigned responsibilities to each team member, facilitating resource management and active participation in the project's advancement.

1-2. Wireframe

Wireframes were instrumental in planning the layout and content hierarchy. Prior to the development phase, with the use of **Figma**** to design our wireframe we are able to get a structure of how our website would look like. As we progress through the development phase the design will surely change from our initial model.

1-3. Data Model (E/R diagram)

To meet the business requirements, we thoroughly examined the use cases of customers, administrators, and employees within the delivery service framework. As part of the analysis of these business requirements, we identified and defined the relevant entities and their associated attributes. Subsequently, we developed an Entity-Relationship (ER) diagram to visually represent these elements and their relationships.

Throughout this analysis and design process, data underwent a refinement stage to ensure it conformed to the principles of Third Normal Form (3NF), a key aspect of database normalization.

1-4. Target Audience

The purpose of this project is to provide the interface of food order & delivery service to the three groups of users regarding general users, admin of the system and employees for delivery service.

1-5. Research

In the early stages of the project, research was conducted to understand the principles of user-friendly design. This included an analysis of competitors' websites and emerging design trends. Our team decided with 2 pages of html the index and the menu page.

The index page:

1. The navigation bar which consists the company name, links (menu, about us, contact us), and the login-register form.

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

2. The header includes a welcoming message to the users and a link to the menu page.

3. The gallery includes photos of the dish

4. About us contains a biography of the restaurant and its foundation.

5. Contact Us includes the company contact and social media as well an interactive map to find the location and a section to leave a message.

The login/register form in the navigation bar in the index page users can sign up by providing information such as a username, email, password, and other relevant details and vice versa, registered users can access their accounts by entering their credentials. These forms will be handled by php scripts which validate the submission form, validate user input, verifies the information and interact with our database.

The menu page:

1. Navigation contains the companies name, a search bar to filter the menu and the cart which related when a dish is added to the order.

2. Categories which filter the dishes by category (e.g all, popular dishes, entree, main dish, dessert, beverage etc..)

3. The Dish which includes the name and the price and as well the add to order button.

The cart in the menu page is an interactive option when clicked an order summary window pops up which contains the order added that includes the dish name, price and the quantity on which you can add the quantity or reduce. When the quantity is reduce to 0 the order added is then removed. Each order item is added the total price of the order items is then displayed. There will also have an option weather the customer wants the order items to be picked up or delivered. When delivered is selected another an address form will be asked. Thus, the order will be completed by clicking on the checkout button.

These findings influenced the overall layout, content structure, and interactive elements on the site.

2. Website Details

2-1. Website URL

> Main Page : [Localhost:port]/index.php

> Menu : [Localhost:port]/index.php

> Menu Items : [Localhost:port]/menu.php

> Dashboard : [Localhost:port]/dashboard.php

> Dashboard Menu : [Localhost:port]/admin_menu_dashbd.php

> Dashboard Orders : [Localhost:port]/admin_orders.php

> Dashboard Schedule : [Localhost:port]/emp_dashboard.php

> Dashboard Delivery : [Localhost:port]/admin_delivery.php

> Dashboard Employees : [Localhost:port]/admin_employees.php

> Dashboard Users : [Localhost:port]/admin_users.php

> Dashboard Messages : [Localhost:port]/admin_msgs.php

2-2. Git Hub Repository

> https://github.com/Nori-san/RestaurantDelivery.git

2-3. Overall Goal and purpose of website

We developed the website "Delivery Chef" to provide the interface for the food orders & delivery services. Overall goal of the project is to develop the webpages supporting functionalities handling CRUD data processes with the database.

The coverage of the project includes :

    (1) User registration and login
    (2) Search and Filter information
    (3) Interaction with the users for the purchase process
    (4) Interaction with the employees for the delivery process
    (5) Admin functionalities to manage information of users, food items, food type, deliveries
   (6) Checkout confirming food item selected, the price, the total price and delivery address with the user

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

2-4. Website Description
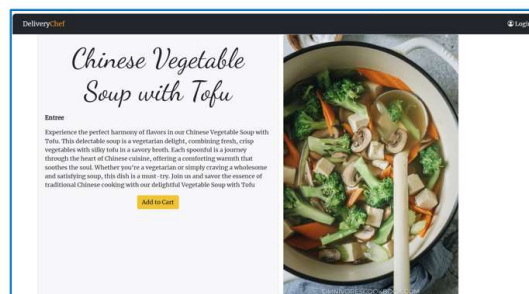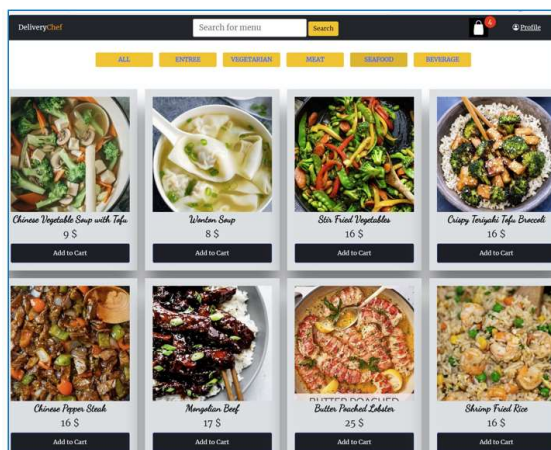
2-4-1. Introduction of webpages

 (1) Main Page (Index)

- Provides the accessibility to Menu pages, the information of Gallery, About Us and the interface of Contact Us

- Provides the accessibility to the Login interface and Profile interface
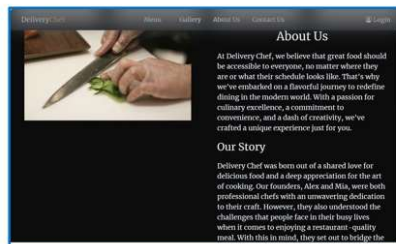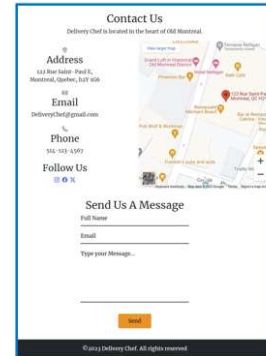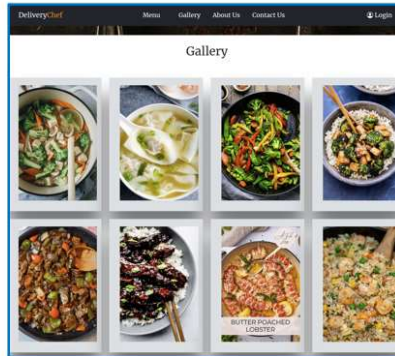
 (2) Menu Pages

- Provides the functionalities of filtering, Search of menu information and the accessibility to the order interface and cart interface
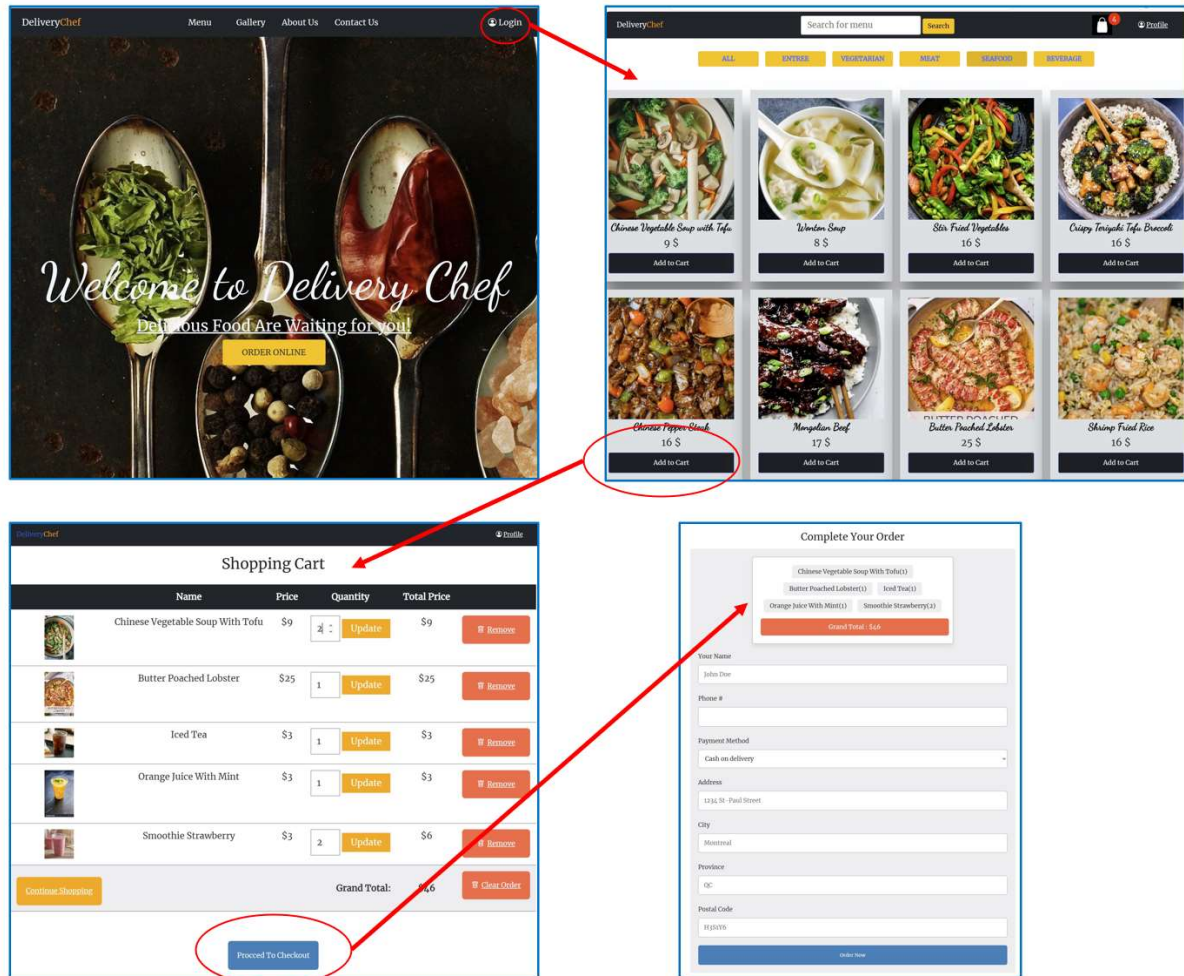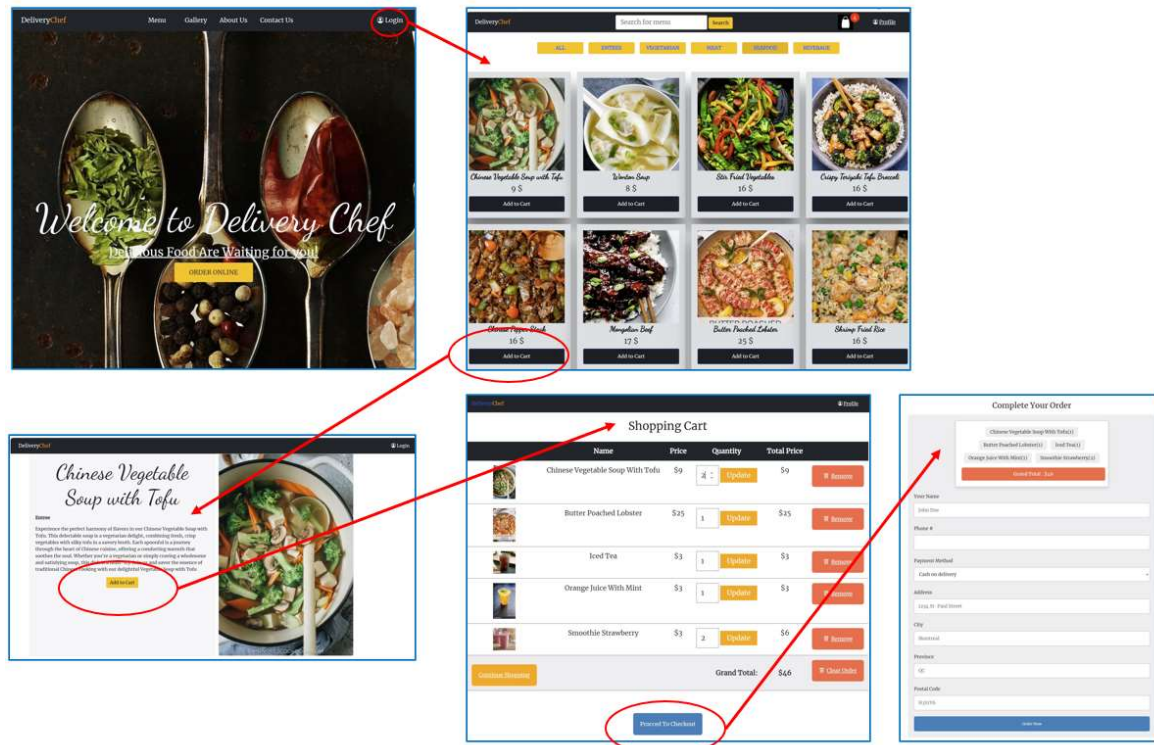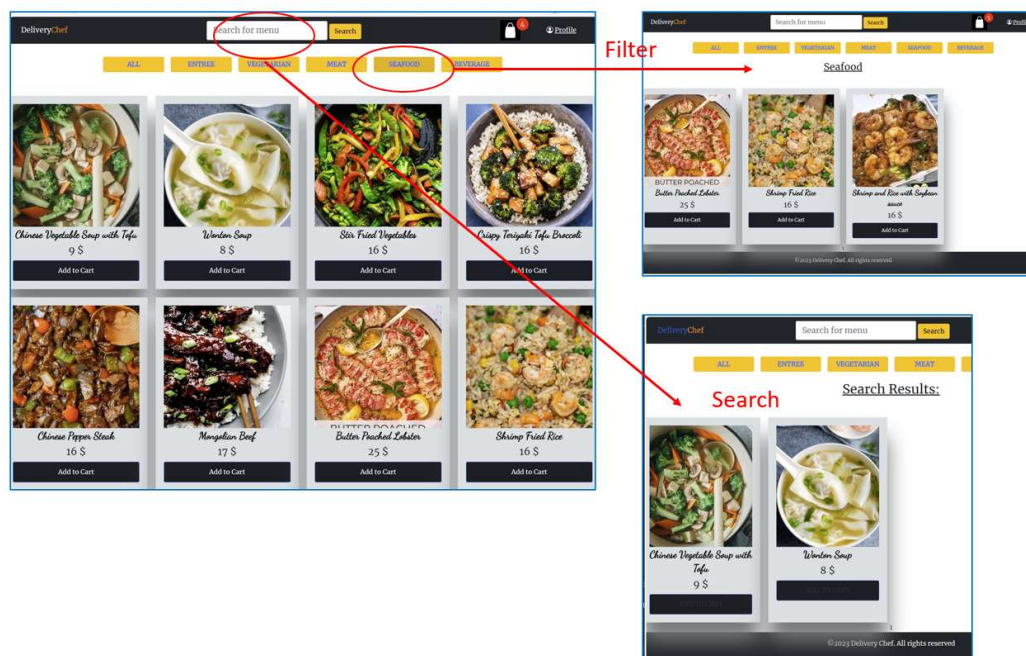

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

2-4-2. User scenario

(1) General User

A. Main Page - > Login -> Menu List -> Add to Cart -> Place an order

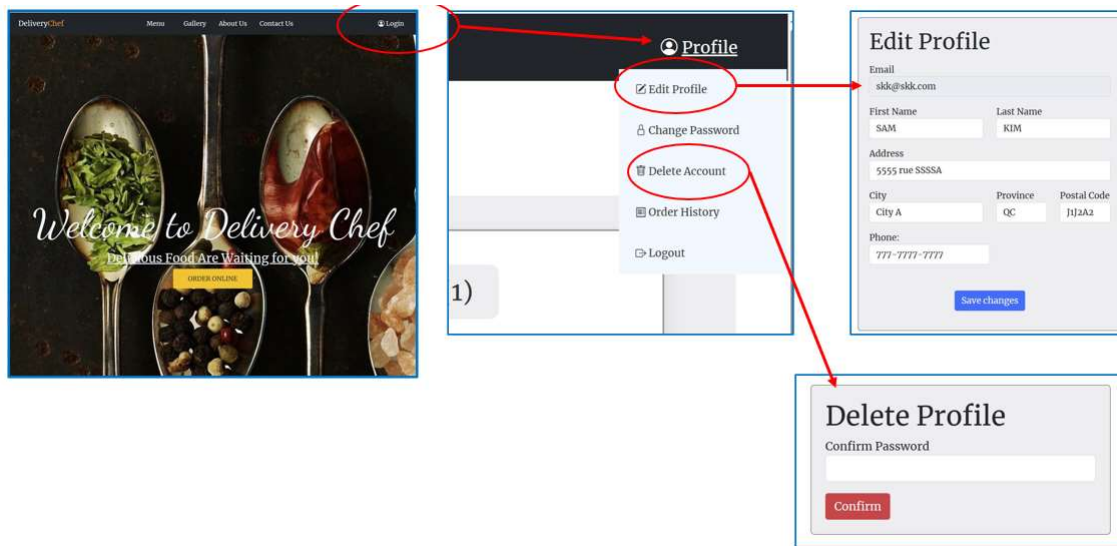B. Main Page - > Login -> Menu List -> Menu Item -> Add to Cart -> Place an order

C. Main Page -> Login -> Menu > (Category Filter | Search Menu)
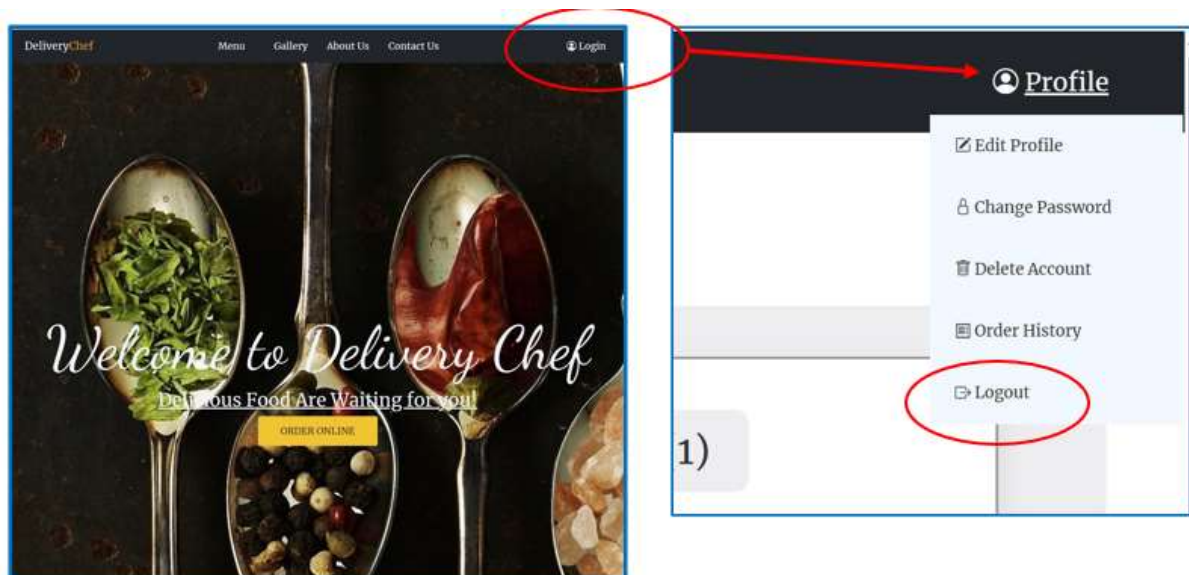

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

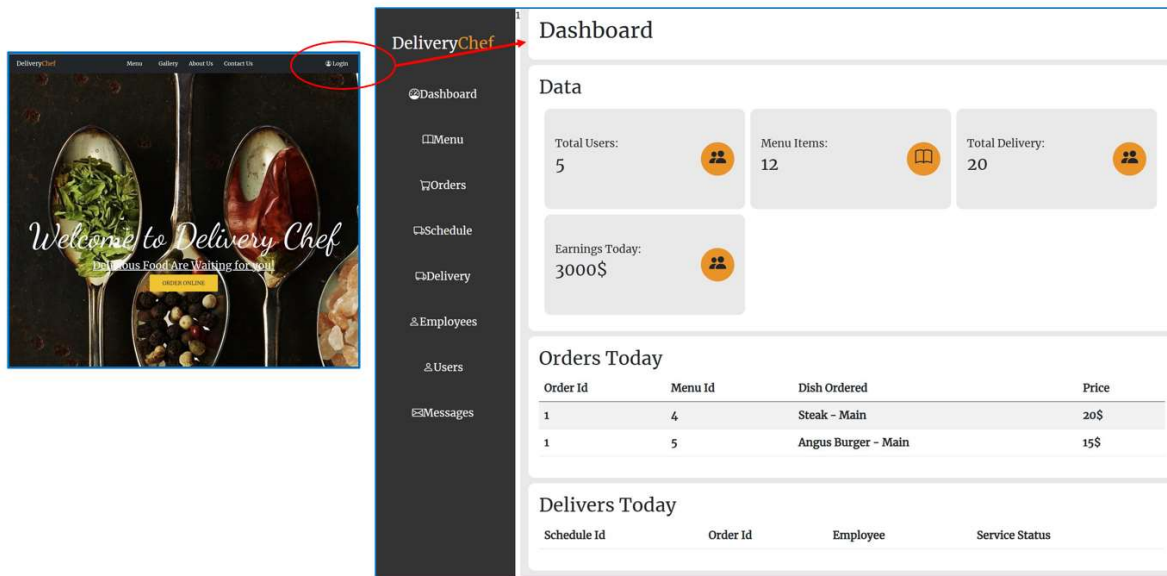## D. Main Page -> Login -> Profile Edit (Update/ Delete Account Info)
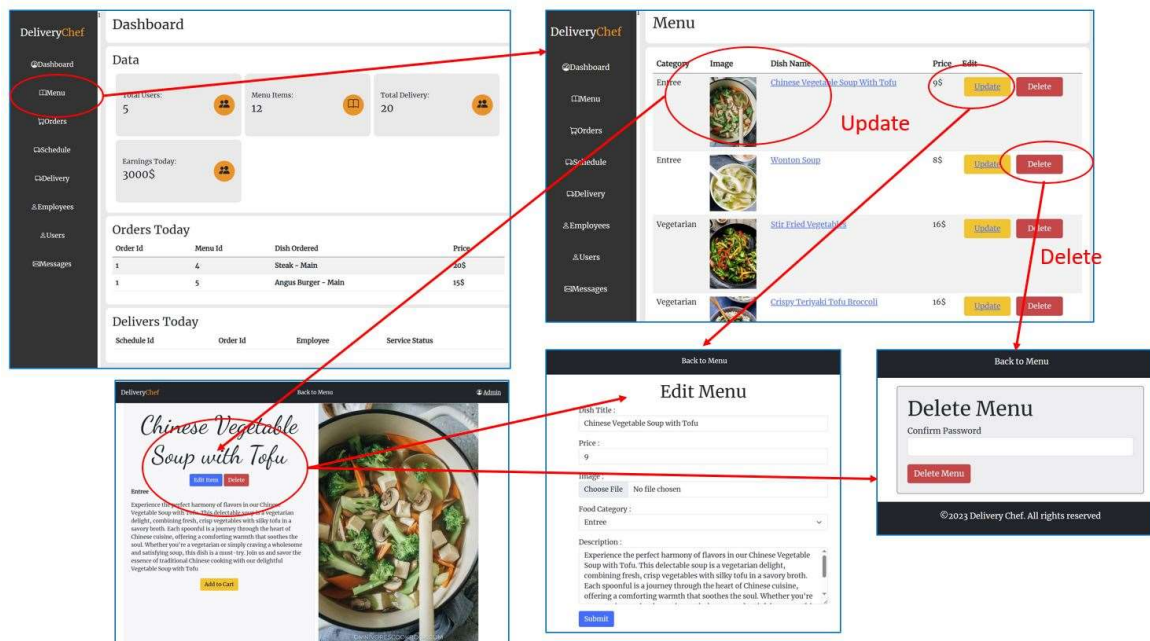

E. Main Page -> Login -> Logout

(2) Admin

A. Main Page -> Login -> DashBoard (Main)

- Provides summary information and side bar menus connected to the admin management pages including Menu, Orders, Schedule of delivery, Delivery, Employees, Users and Messages from Contact Us interface.

B. DashBoard (Main) -> Menu / Menu Item

- Provides the accessibility to the Menu pages and functionality of Update and Delete Menu information

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

C. DashBoard (Main) -> Orders -> Schedule

- Provides the accessibility to the Order Status and the functionality of Scheduling of the Delivery service

D. DashBoard (Main) -> Delivery -> Schedule

- Provides the accessibility to the Delivery Status and the functionality of Scheduling of the Delivery service

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

E. DashBoard (Main) -> Employees (Add, Update, Delete) -> Schedule

- Provides the accessibility to the Employee List and the management interface, the functionality of Scheduling of the Delivery service
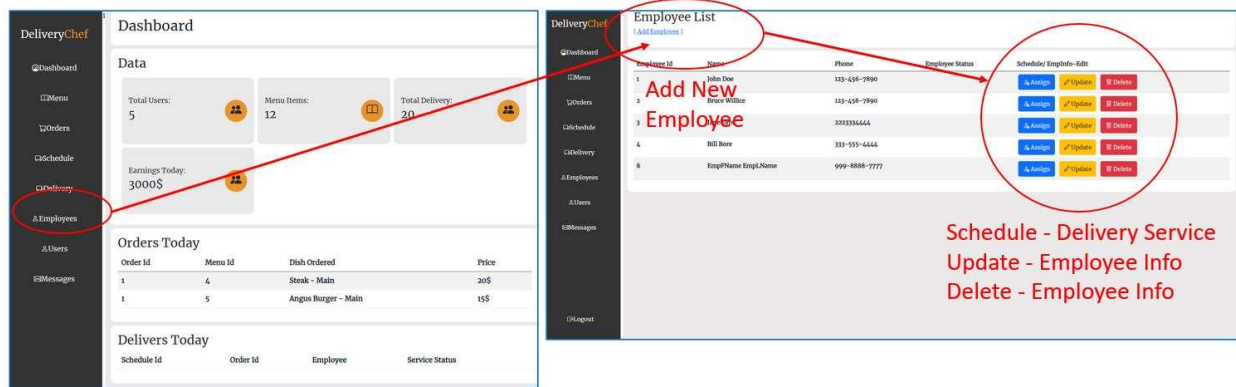
F. DashBoard (Main) -> Users (Update, Delete)

- Provides the accessibility to the Users List and the management interface of User Account

G. DashBoard (Main) -> Messages
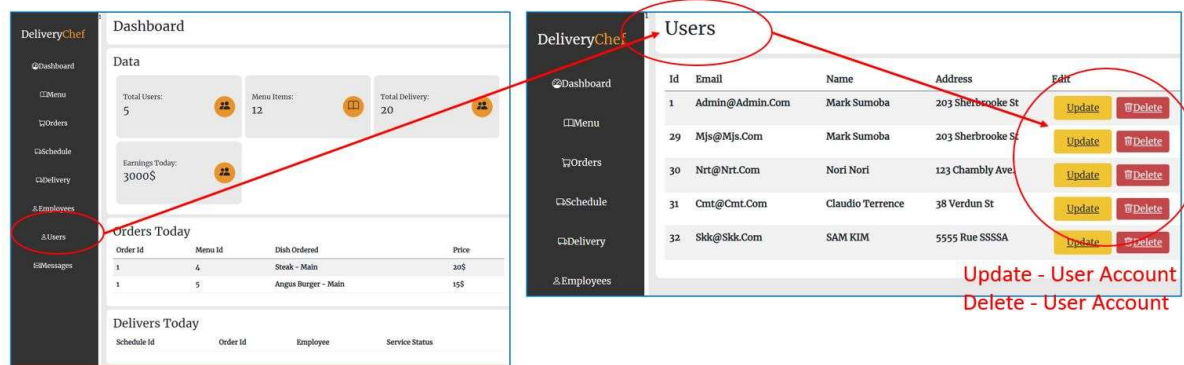
- Provides the accessibility to the Contact Us messages
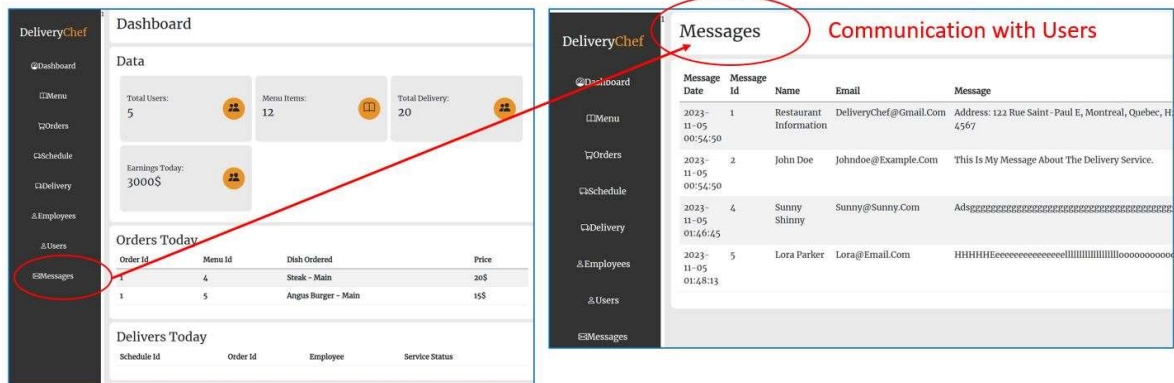
(3) Employees for delivery

A. Main Page - > Login -> Employee Interface

- Provides the accessibility to the Delivery Service Schedule and the functionality of updating Schedule information
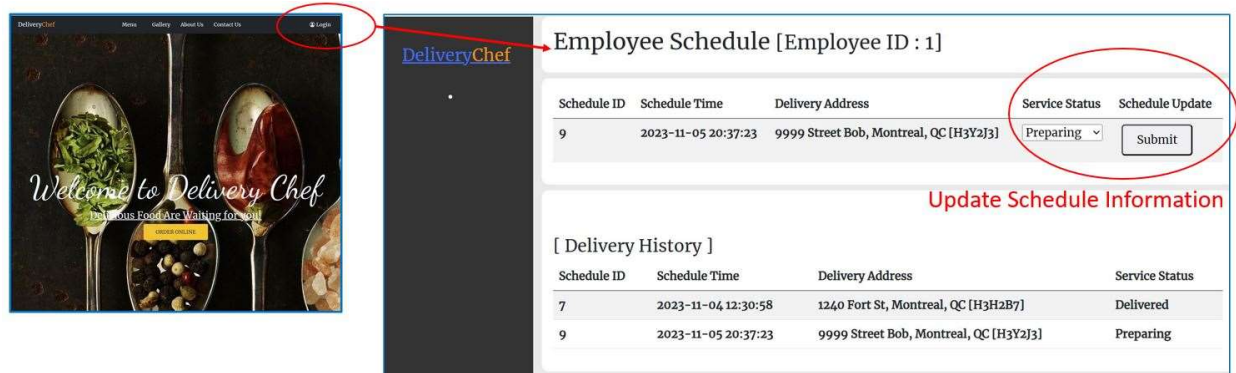
3. Communication

3-1. Daily Scrum/ work progress

3-1-1. Initial Workflow (17 Oct, 2023)

1. Conducted research on user-friendly design principles.
2. Created the initial version of webpage in HTML.
   a. Decided on an index and menu page structure.
   b. Defined layout sections for both pages.
3. Designed Framework using Figma.
4. Completed Database analysis.
5. Prepared Database 3NF.
6. Prepared ER Diagram.
7. Initiated Kanban board on Trello.

3-1-2. Development Progress (22 Oct, 2023)

1. Initiated workflow documentation.
2. Webpage development progress:
   a. DB setup : created tables based on ERD
   b. Main Page : index.php
   c. Registration functionality : login-register.php, user_setting.html / css

3-1-3. Development Progress (29 Oct, 2023)

1. Database updates
2. Webpage development progress:
   a. Users Interface and functionalities
      - added validation, profile, menu, order, cart.
   b. Admin Interface and functionalities
      - added Menu, Orders, Schedule, Delivery, Employees, Users categories.

3-1-4. Development Progress (04 Nov, 2023)

1. Database updates
2. Webpage development progress:
   a. Users Interface and functionalities
      - updates on : validation, profile, menu, order, cart.
      - added Contact us.
   b. Admin Interface and functionalities
      - updates on : Menu, Orders, Schedule, Delivery, Employees, Users categories.
      - added Message category.
   c. Filtering unauthorized access on the pages.
   d. Cleaning up the codes.

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

## 3-2. Allocation of Task (Contributions)

[Mark Sumoba :]

1. HTML structures

 - index, menu, login, signup, checkout, cart, admin dashboard

2. PHP

- Users interfaces : profile, login, order, checkout

- Admin interfaces : Dashboard, Users

3. CSS styling

[Sang Kyu Kim :]

1. DB analysis and ERD

- 3NF Normalization

- ER diagram

2. PHP

- Users interfaces : menu, menu-Item, search, filter

- Admin interfaces : Menu, Orders, Schedule, Delivery, Employees

3. Documentation

- Final Report

[Claudiu Mihael Terenche :]

1. Design and Research

 - Wireframe

2. Documentation

 - Initial draft of workflow report

 - Finial Report

3. PHP

- Users interfaces : Contact Us

- Admin Interfaces : messages

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

4. Post-Mortem

Purpose: To evaluate the school project involving the development of a restaurant website, identify areas of success, and highlight opportunities for improvement.

Date: 2023-11-06

Attendees: Mark Jay Sumoba, Sang Kyu Kim, Claudio Michael Terrenche

Agenda:

Project Overview:
This project consist on creating a dynamic restaurant webpage consisting a delivery system, client interaction and as well admin site management.

Successes:
Our web development project focused on creating a dynamic restaurant website with various features and functionalities. Key accomplishments include:

1. **User Registration and Login**: Successfully implemented a functional user registration and login system, ensuring security through email and password validation.
2. **User-Specific Interfaces:** Provided distinct user interfaces for different roles, such as users, administrators, and employees, offering tailored experiences for each type of visitor.
3. **Search and Filtering**: Developed a functional search bar to allow users to quickly find specific dishes on the menu. Additionally, integrated category buttons for easy filtering and navigation through menu items.
4. **Shopping Cart**: Introduced an interactive "Add to Cart" button, allowing users to add one or more dishes to their cart for purchase.
5. **Checkout System:** Implemented a functional checkout system that collects contact information for delivery and presents an order summary, including the total price, selected dishes, and contact details.
6. **Access Control:** Ensured the security of the website by preventing unauthorized access for all users, maintaining privacy and data protection.
7. **User Account Management**: Registered users have the capability to update and delete their own accounts, offering control and flexibility over their profiles.
8. **Admin Functions:** Administered menu management, user management, and employee management using CRUD (Create, Read, Update, Delete) operations, simplifying administrative tasks.
9. **Order Allocation**: Efficiently allocated and assigned orders to employees for delivery, streamlining the order fulfillment process.

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

Challenges:
The challenges encountered in the project encompassed time constraints, technical difficulties. The tight project timeline impacted decision-making and testing. Technical issues arose in integrating complex features, prompting the need for more thorough research and troubleshooting. Allocating tasks effectively within the team was a challenge, leading to an imbalance in workloads. Some team members had heavier workloads, while others were underutilized, affecting project efficiency. Researching on how a delivery and checkout system work was an issue due to our lack of knowledge in a real business models.

Task Allocation:
Tasks were thoughtfully allocated based on the skills and strengths of team members. This strategy ensured that complex coding tasks were assigned to the members who excels in front-end and another member who excels in back-end while design aspects were entrusted to the member who excels in design.

Planning:
By using Trello, we were able to define tasks and allocate them to each team member. Adopting Kanban for our project made it clearer and easier for us to track the project's progress. However, the task list was initially based on a timeline without taking into account potential issue resolution times, which led to challenges in handling additional tasks and resulted in time wasted during the process.

Communication:
We maintained a routine of regular team meetings to discuss project progress, identify challenges, and make necessary adjustments. These check-ins fostered adaptability and ensured effective collaboration, enabling us to address issues immediately.

Technical Issues:
Responsiveness of our webpage is an issue which leads to poor user experience in mobile devices and tablets.

Lessons Learned:
Implement a more balance distribution of tasks among team members to prevent overloading. The project faced tight time constraints which the team was forced to rush decision-making, limited testing and less room for improvements. Certain instances redundant work which involved the inadvertent duplication of efforts which leads to time waste. With our lack of experience and knowledge a clear role definition was not defined efficiently which cause unnecessary work in the outside of the projects boundaries.

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1

Next Steps:
Currently, the delivery service scheduling process is managed by administrators and updated by employees who work for the service. We can explore the development of a logic system that could automate and improve database management more efficiently.

Closing Remarks:
Even with our lack of experience and time the team managed to complete the majority functions and requirements of the webpage project. This project gave us experience on using efficiently the php language without using the frameworks. Our teacher gave us references and as well guidance throughout the project.

** Figma : https://www.figma.com/file/iyZb6dDdKOZfMkuYS1n0PT/Wireframe?type=design&node-id=0%3A1&mode=design&t=7HjDzlFRua4Vqram-1