<Kuya Poks' Online Stop>

Software Engineering Project Document

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<January xx, 2023>

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I. Project Description

1. Project Overview

Kuya Poks' Online Stop is a web-based application that aims to help and improve the business by allowing online interaction between the customers and the staff. The only tool used by the business to share their products and services is only social media such as Facebook. When it comes to long term effectiveness, it is best to improve the online platform of the business as people nowadays are exposed to the digital world. The application allows customers to check the products and its availability and price list. It also enables users to book a table reservation for those who plan to eat at Kuya Poks' Unli Wings. The site comes with the exact and accurate location of the business in which will be used to easily determine the place. It is not only responsive for the customers, but also

for the admins and staff wherein they can modify the list of products. This project will benefit both the customers and also the owner of the business.

2. Background

Kuya Poks' Unlimited Wings is a newly built local business in San Mateo and has been blooming well from the start. The restaurant has a Facebook page for business use wherein posts pictures of events happening in the restaurant, like the enjoyment of people and the food served. However, the restaurant will not progress any further from how they are doing now systematically.

The researchers identify the main problem that the restaurant will face is the long-term effectiveness of the business if they want to make it a livelihood for a very long time. The owners do not even upgrade their systems in terms of technology and take advantage of the online platforms available for all users. They also only use their Facebook page occasionally; however, they only update the page occasionally with pictures and add some features like adding a delivery option and menu to attract more customers online and to have some potential local advertisements on their restaurant.

Knowing a local business with good quality products must be shared with everyone with the use of a functional website, which the team will develop soon, to have some more features and contain the essential elements that every customer needs whenever they are visiting a website like ordering their choices online, reservation, and many more. As for the admin side, they can access particular elements that are only specific to the admins to adjust the products, create a daily report, and so on. The paper will discuss further the specifics of every element of developing a functional website and additional information about the proposal

3. Purpose and Description of the Project

The creation of a functional website for Kuya Poks' Unlimited Wings will be one of the main pillars when it comes to online advertisement, organizing online orders and other customer needs in order to have positive long-term effects on the business for both the owners and customers. Reserving a place at the restaurant can also provide some loyal customers a chance to celebrate their

special occasions with the products they love and produce similar customers while the business runs in the long term.

Another purpose in initiating this kind of project is to have minimal work that the admins or staff must do when the business is big. The website's functionality will be easy for all to avoid confusion and miscommunication. Sorting online orders and making some of the products on the updated menu available is one of the website's key features.

There are so many good features for admins and customers whenever they use the website. For instance, on the customer side, they want to order something at Kuya Poks' Unlimited Wings and do not want to go to the place physically. Instead, they will just order online using the website and show the menu if the given products are still available.

While on the admin's side, they can select some of the products that will be visible to the customers due to seasonal reasons or running out of stock for that particular product.

As for advertising their own restaurant, they can just share the official link of the website and post it on different social media. It is also a great opportunity for the customers to share the website of Kuya Poks' with their friends or families about the products and order those with no complicated system at all.

The project will benefit both sides because it can be used for a very long time with some minor and major updates of the system if needed, if and only if the restaurant makes some changes. Customers and admins will have an easy time using the website with little to no delays for each action that they do in the interface. It is relevant for the long-term effect of the whole business because it can be used on a computer or a mobile phone to access the interface and update the system if they want to.

It is a unique project because the functionality is simple yet accurate and leads to a certain action that the customer and admin want to do for personal reasons, like ordering or organizing the products and so on. Even though some famous restaurants have websites like this one, the only feature that stands out is that the admin controls the website, and it is much simpler than the standard websites that most users see on the web.

4. Objectives

This project's objective is to create a website for Kuya Poks' Unlimited Wings that provides necessary information about the business, allow reservation of tables and create messages, and enable staff to update the menu and product availability.

The website will generate a summary report of the products sold and show the remaining inventory. Administrators utilize their specific ID numbers to log in and access a list of reports that will allow them to monitor the product availability. Customers could also book reservations which would notify the administrator about the booking. These reports would help the business achieve longevity and to have minimal work for the owner and the employees.

5. Scope and Limitations

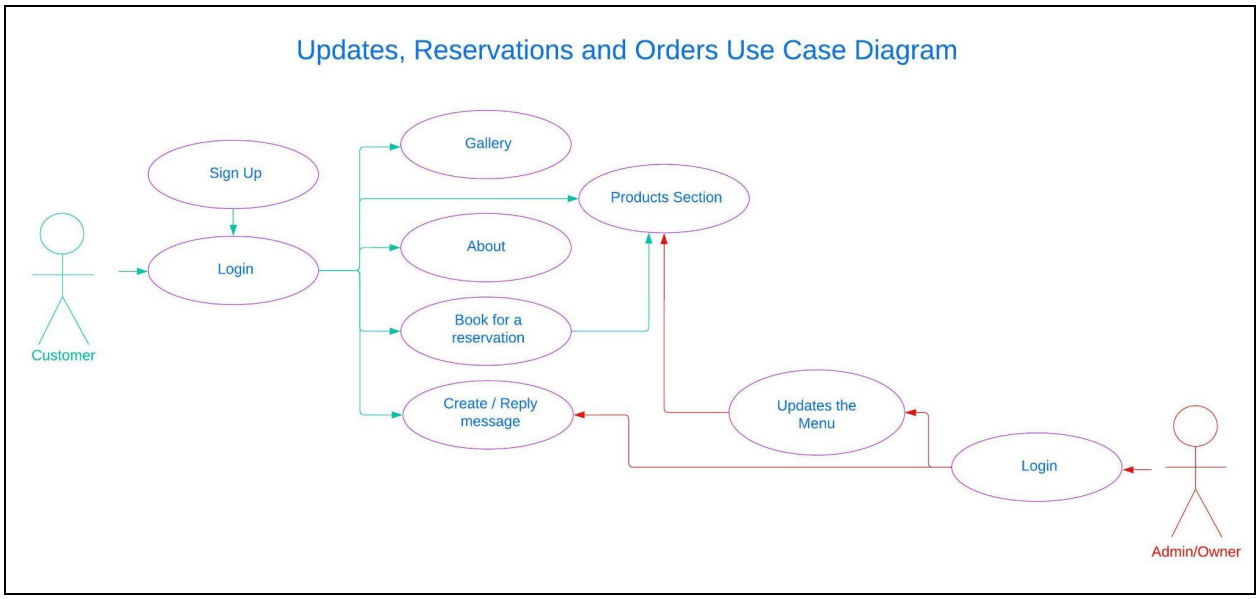
The researchers' goal in this paper is to construct a website that provides necessary information regarding the business, enable staff to update the menu and product availability, and allow reservation of tables and create messages. The report displays the remaining stock of the products, which the admins will use to monitor. Users on all platforms can access the website, but only the admins can access the current and past reports using their specific ID numbers. It only limits the users to create reports that are only visible to the admins, but everyone can enjoy all of the website's other features.

6. Significance

This project will help Rose Del Socorro to boost its marketing for Kuya Poks' Unlimited Wings. The developers of this project assessed thoroughly on what the business lacks to help boost their client's business. With the help of the developer's application, the client's customer will easily know the business' menus and prices. They can also book a reservation whenever the customer wants to have an event at Kuya Pok's Unlimited Wings. With this application, the owner's workload will be lessened because they will be able to handle which ingredients they lack the most. Furthermore, with the help of the developer's application, Rose Del Socorro can easily manage and monitor her business by simply interacting with the application.

II. System Requirements Specification and Analysis

1. Use Case Diagrams



2. Use Case Narratives

Use Case Title:	Sign Up
Actors:	Users
Description:	When the user chooses to sign up, the system directs the user to the registration form. User inputs required information on the fields (First Name, Last Name, Email Address, Phone Number, Password), the system collects the data provided by the user. User presses the Submit button, the system notifies that the user has successfully signed up.

Use Case Title:	Login as Customer
Actors:	Customer
Description:	User chooses to login as a customer, inputs his/her username and password and presses the login button, the system checks if the user is a customer, if the password matches with the username, then shows the homepage if correct. If not a customer, the system sends a message showing that the username provided by the user is not a customer. If the password is incorrect, the system sends a message showing that the password is incorrect.

Use Case Title:	Login as Staff
Actors:	Staff/Admin
Description:	Staff/Admin chooses to login as a staff, inputs his/her username and password and presses the login button, the system checks if the user is a customer, if the password matches with the username, then shows the homepage that includes features for staff only if correct. If not a customer, the system sends a message showing that the username provided by the user is not a customer. If the password is incorrect, the system sends a message showing that the password is incorrect.

Use Case Title:	Log Out
Actors:	User (Customer and Staff)
Description:	User presses the log out button, the account will be logged out from the system.

Use Case Title:	Presses the Gallery button
Actors:	User (Customer and Staff)
Description:	The user presses the gallery button, the system will direct the user to the gallery page.

Use Case Title:	Presses the About button
Actors:	User (Customer and Staff)
Description:	The user presses the About button, the system will direct the user to the About page.

Use Case Title:	Customer presses the Products Section (Menu)
Actors:	Customer
Description:	The customer presses the Menu button, the system will direct the user to the product section. The customer will see the available products as the system updates if a staff changes the availability of a product.

Use Case Title:	Admin presses the Products Section (Menu)
Actors:	Admin
Description:	The admin presses the Menu button, the system will direct the user to the product section. The admin can enable or disable the availability of a product, the system will update the products' availability.

Use Case Title:	Booking for a Reservation
Actors:	Customer
Description:	The customer presses the Reservation button, the system will direct the user to the Reservation page. The user chooses his/her desired date and time and presses "Book", the system will inform the user that he/she successfully booked a reservation.

Use Case Title:	Creating/Sending Messages
Actors:	User (Customer and Admin)
Description:	User clicks the "Contact Us" button, the system will show the messaging section along with the text box field. The user creates a message and presses "Send", the system will send the user's message to the admin. The admin opens the

	messages section, the system will show the messages of the users. The admin replies to the message and presses “Send”, the system will deliver the reply to the user.

3. Functional Requirements

Name	Description	Version
Functional Requirements		
Creating accounts for customers and staff	This function allows the system to create new accounts. The system has to input the required information. **Required Information:** ● First Name ● Last Name ● Email ● Phone Number ● Password	Version 0.1
Availability of products on the menu	This function allows the user to make some of the products on the menu not visible to the customer’s end.	Version 0.1
Creating/Sending messages	This function allows both users to create messages in the system. The customer can send emails containing their concerns or personal matters about the restaurant. The admins/staff can respond to messages as well and create messages to specific customers for specific reasons.	Version 0.2
Report on products	This function reports to the admins about the products about its availability. Only the admins and staff can see the reports.	Version 0.3
Gallery	This function allows customers to see	Version 0.4

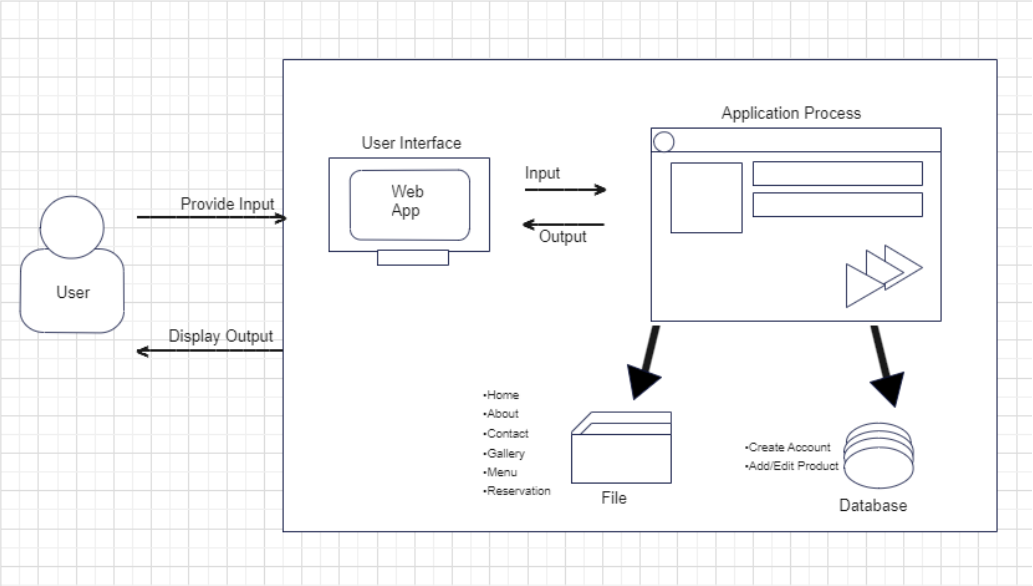
	different events that happened at the restaurant. The admins/staff will post different pictures that are solely connected to the restaurant or special events in the restaurant	
About	This function allows customers to view the brief history of the restaurant with the introduction to the founder of the business as well.	Version 0.5

4. Non-Functional Requirements

Name	**Description**	**Version**
Non-Functional Requirements		
Login for specific Staff users	This function allows particular users to login. Only the admins can access the current and past reports.	Version 0.1
Responsive Web Page	This function allows a faster and responsive website. The website or webpage should load in less than 5 seconds for faster operation and less time consuming for the customers and the staff.	Version 0.1
Cross Platforms	This function allows both customers and staffs to access the website.The website can be access to all platforms and will not restrict to one web browser.	Version 0.1

III. System Design

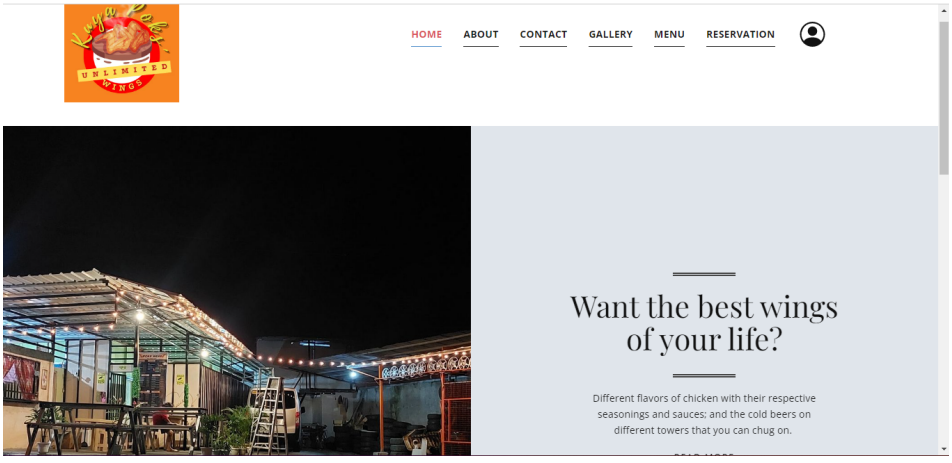
1. Proposed Software System/ Architecture



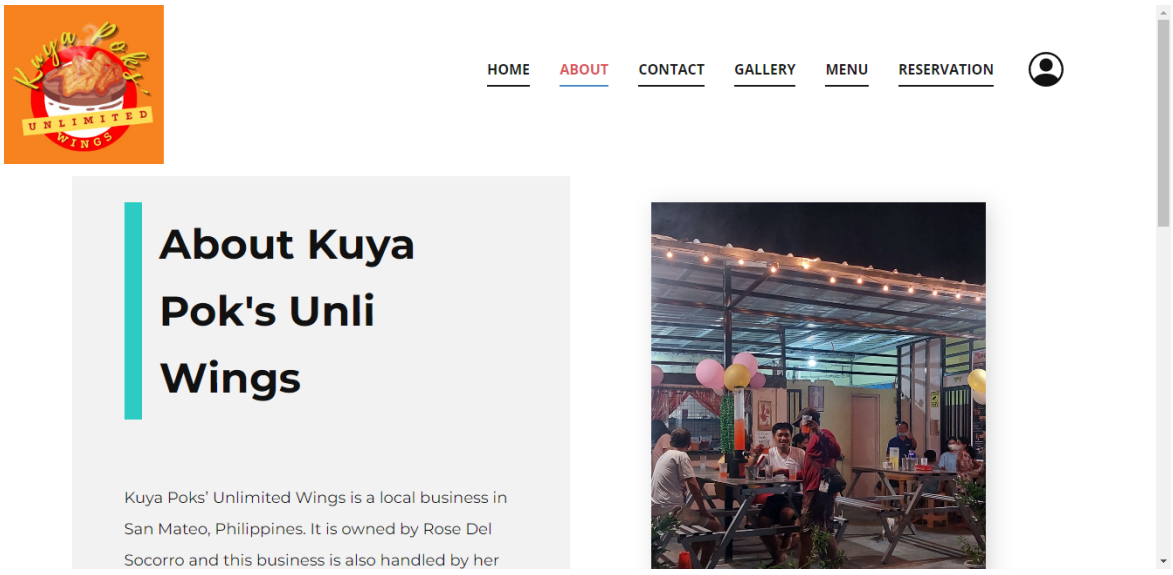
The proposed software architecture portrays web application development with the use of database. The user provides the input through the user interface on a web application. The data obtained from the user will then be processed with the use of html, php, css, and other relevant application logic. It will then display afterwards in the user interface for the user.

2. User Interface Design

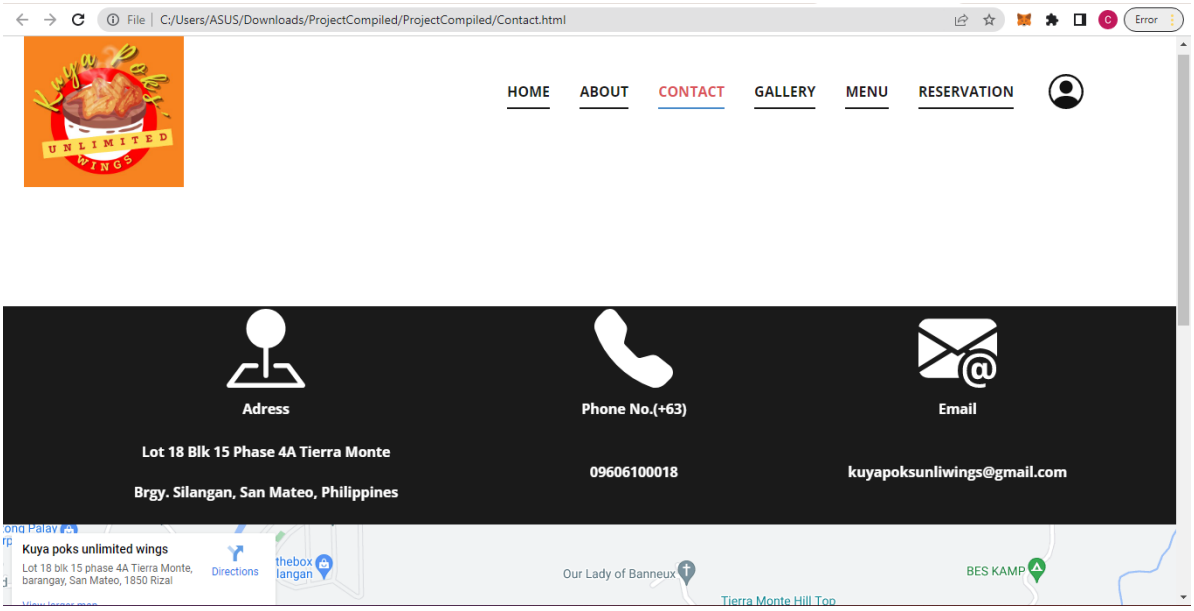
Home



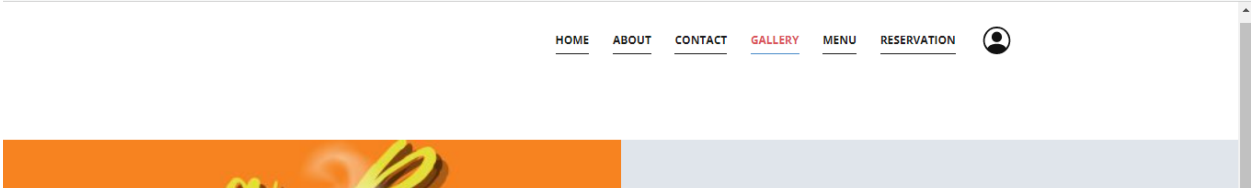
About



Contact

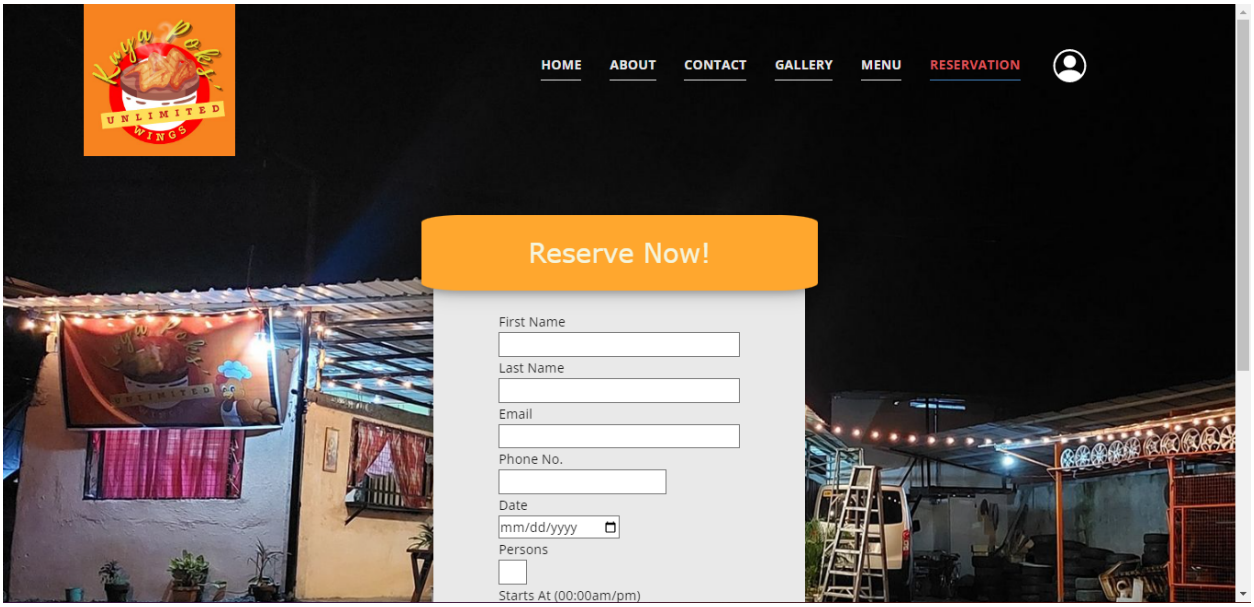


Gallery

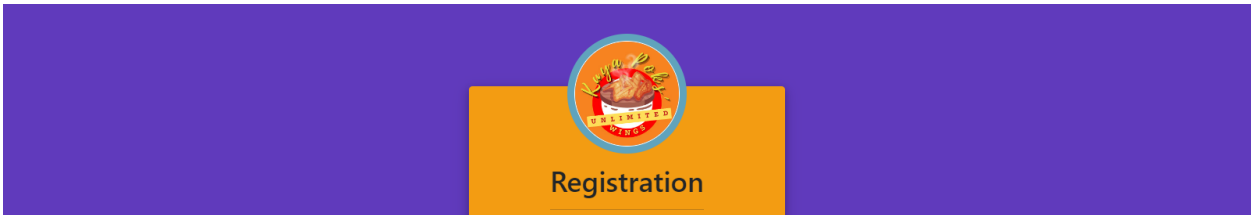


Menu

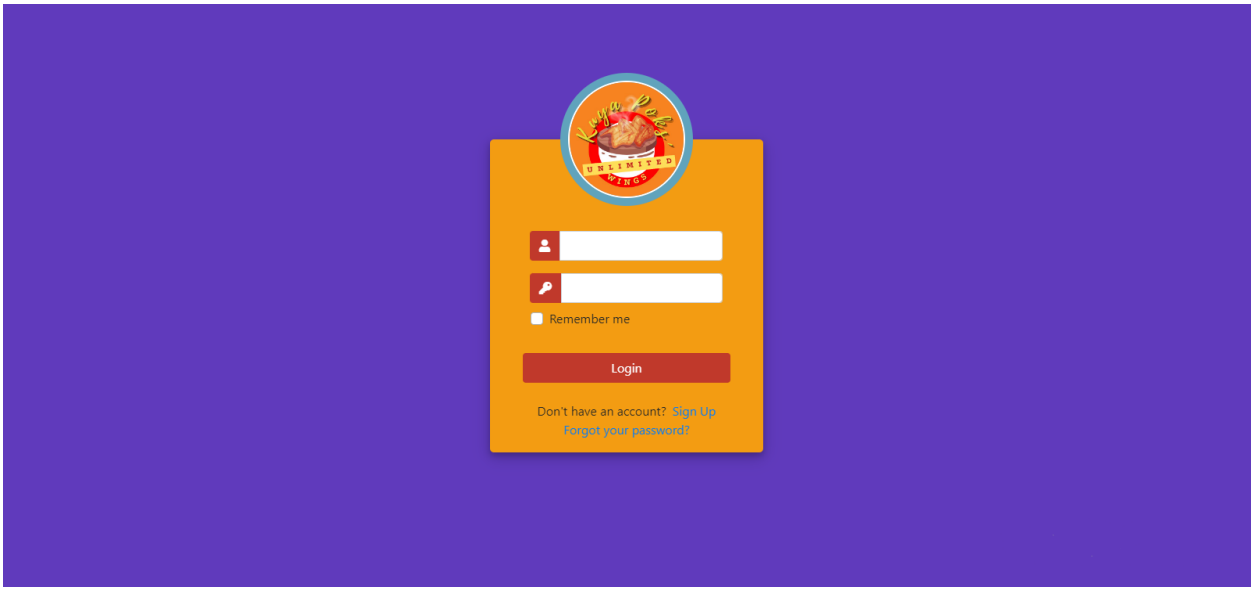
Reservation



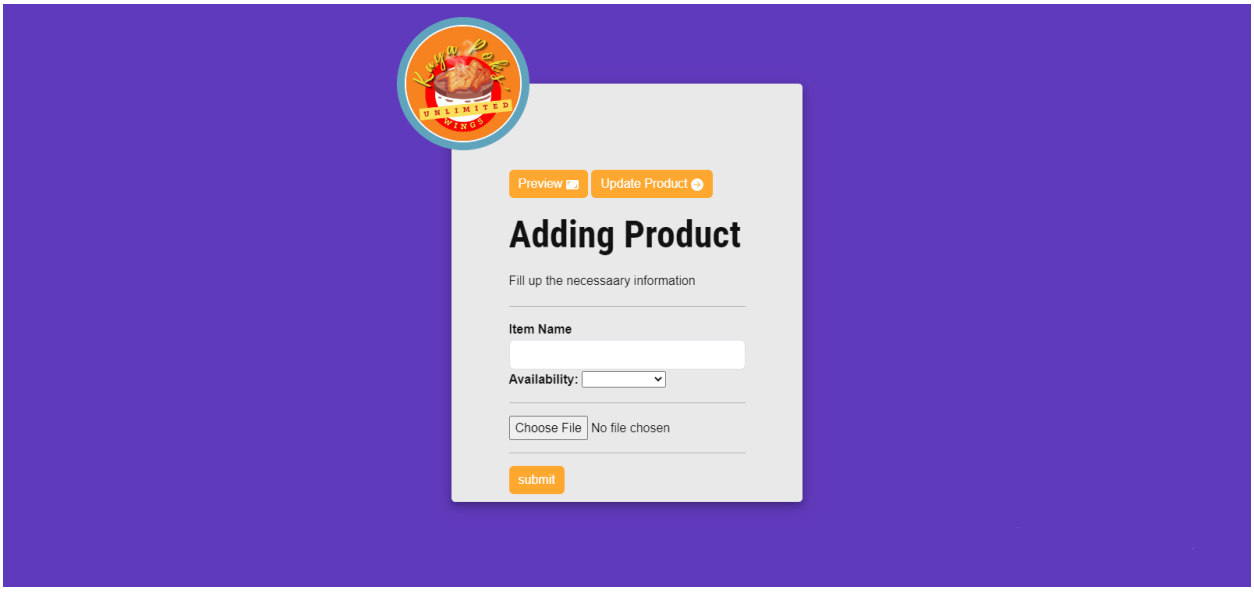
Registration



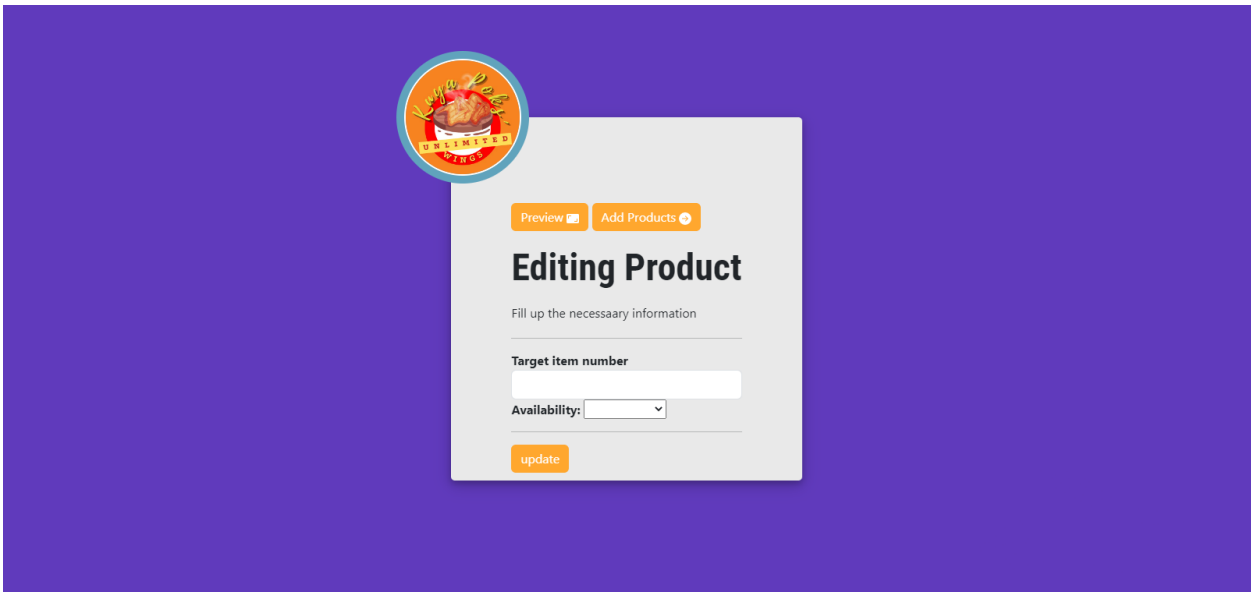
Login



Adding product



Edit Product



IV. System Implementation

1. Software Tools

The developers used certain software tools to successfully make the application. Visual Studio Code (VS Code) and Notepad++ are used for coding the whole application. XAMPP Control Panel is then used for web application testing utilizing the local host server. Also, phpMyAdmin is used for the database. Google Drive served as online storage for the developers to share and have progress with their web application. For the website implementation, 000webhost is used.

2. Hardware

The hardware devices, such as Laptops and Desktops, served as the primary tools for the developers in developing the code, testing, and debugging the

software. The team utilized both their tools effectively to design and develop the database.

3. Application Modules

index.html - the homepage portraying some details about the business.

About.html - a webpage showing details regarding the business.

Contact.html - a webpage showing contact details of the business.

Gallery.html - a webpage that portrays pictures relevant to the business.

Reservation.html - a webpage that allows users the book for reservation.

registration.php - this is used by users to create or register an account.

menu.php - a page that shows the products available.

login.php - this is used by the users to log in to their account.

addingproduct.php - this is used by the admins to add product and its availability.

editproduct.php - this is used by the admins to edit products that are already added.