



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2023

Project Charter

| | | |
|---------------------------------|---|---------------|
| Title of the Project : | Restaurant Management System | |
| Campus & Batch : | Malabe 2 nd year | Group No: T48 |
| Development Technology : | MERN stack (MongoDB, Express, React, and Node.js) | |

Description of the Project:

A Restaurant web application is a digital platform designed to showcase the offerings and services of a Restaurant. It serves as an online hub for customers to learn about the Restaurant's menu, hours of operation, location, and other important details. The website should be designed in a way that is visually appealing, easy to navigate, and provides all the information that potential customers may be searching for.

The homepage of a Restaurant website typically features an eye-catching header image, showcasing the Restaurant's ambiance and cuisine, along with a brief introduction of the Restaurant's mission, values, and unique features. A menu section should be included, showcasing the Restaurant's offerings, along with pricing and images of the dishes. The website should also include a reservation system, allowing customers to make table reservations with ease.

The contact page of the website should feature the Restaurant's address, phone number, email address, and a contact form for customers to send inquiries or feedback. A map or a Google Maps integration can also be included, providing customers with turn-by-turn directions to the Restaurant's location. The website should also include information about the Restaurant's hours of operation, any current promotions, and special events.

In addition to these standard features, a Restaurant website may also include a blog section, where the Restaurant can share news and updates, recipes, and behind-the-scenes stories about the Restaurant. A photo gallery can also be included, showcasing the Restaurant's interior, dishes, and staff.

In conclusion, a Restaurant website should provide customers with a comprehensive and engaging online experience that accurately represents the Restaurant's brand and offerings, making it easier for customers to find the information they need and ultimately visit the Restaurant in person.

Details of the Group Members: *(Provide the details of the group leader in the first row)*

| | Name with Initials | Registration Number | Contact Phone Number | Email |
|----|---------------------------|----------------------------|-----------------------------|------------------------|
| 1. | Siriwardana A.P.G.D.P | IT21345746 | 076 4509280 | IT21345746@my.sliit.lk |
| 2. | Buddhima A.V.P | IT21297304 | 071 5443933 | IT21297304@my.sliit.lk |
| 3. | Nayanathara R.M.C | IT21365300 | 070 4993785 | IT21365300@my.sliit.lk |
| 4. | Kavishwara B.H.M.S | IT21356186 | 077 7784342 | IT21356186@my.sliit.lk |
| 5. | Wijerathne G.A.R | IT21349638 | 070 2663992 | IT21349638@my.sliit.lk |
| 6. | Kokuhennadige C.K | IT21349188 | 076 2741657 | IT21349188@my.sliit.lk |



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2023

| | | | | |
|----|-------------------------------|------------|-------------|------------------------|
| 7. | Akmeemana T.D | IT21282386 | 077 0510429 | IT21282386@my.sliit.lk |
| 8. | Gunasekara W.M.W.A.G.T.N.A | IT21303548 | 076 7053181 | IT21303548@my.sliit.lk |

List of Functions Developed by the Group Members:

| | Name with Initials | Brief Description of the Function |
|----|-----------------------|---|
| 1. | Siriwardana A.P.G.D.P | <u>Order and Delivery Management</u> In this section, when customer ordering something the system stores some information like price, food type, if there any discounts etc. After getting the requests for payment option and after the customers confirmation, order is going to be placed. Payment options are card payments and cash on delivery. Also, customer can see the order status via the system. And then after the delivery, customer will get a delivery successful message via the system. |
| 2. | Buddhima A.V.P | <u>Food and Menu Management</u> The Food and Menu section of a Restaurant website should be easy to navigate and provide all necessary information about the dishes being served. Key features include dish descriptions, images, prices, Add to Cart and Order Now buttons, filtering and search options, and nutritional information. The section should be optimized for mobile devices and highlight any specials or promotions. By incorporating these features, the Food and Menu section can provide customers with an engaging overview of the establishment's offerings. |
| 3. | Nayanathara R.M.C | <u>Financial Management</u> Specifically, this section generates all transactions made using our web application. An administrator has access to create, update, delete and view payment details and any entry. After completing a customer transaction, the accuracy of the food items purchased, and the amount paid should be checked against the details in the database. In addition, supplier's payments are also made through this section. Once a new supplier is recruited to the organization, admin should update their payment details and if the relationship between the supplier and the organization is lost, his payment records should be removed from the database. the admin can view the payments details of the customers and suppliers by entering their id and at the end of the month system will analyst the all the transaction details and generate the summary of the payments. |
| 4. | Kavishwara B.H.M.S | <u>Inventory Management</u> Commonly inventory mean all the items, goods, merchandise, and materials held by a business for selling in the market to |



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2023

| | | |
|----|-------------------------------|---|
| | | earn a profit. In our case, What Is Considered Inventory in a Restaurant service? Inventory for the Restaurant management system includes all the physical items needed to provide service to your customers, including food, ingredient and other items like pots and pans and employee uniforms. |
| 5. | Wijerathne G.A.R | <u>Employee Management</u> manage all details about employee. admin can login to the employee profile and add new details about employees like employee name, employee ID, NIC etc. If there is any change in the details of existing employee employees updating the same. Also, if it is necessary to remove the information of the employee deleting the information. And preparing Employee salary slip report, Monthly attendance with OT reports. |
| 6. | Kokuhennadige C.K | <u>Customer Management</u> First, we collect customer's personal information like customer ID, customer name and phone number etc. Then we register them in our system. Then we build a profile for the customer. We collect information from the customer to access the system such as username, password and forgotten password. In this system customer name and address, type of food, available food and the cost of food should be included. Let them know about our promotions and value meals. Then take orders from them. In addition, we provide loyalty cards to the customer, and he can fill a form and get a card. |
| 7. | Akmeemana T.D | <u>Food Preparing Management</u> Food preparation management refers to the various processes involved in the planning, organization, and execution of food preparation activities in a Restaurant. This includes tasks such as menu planning, storing ingredients, preparing food items according to standard recipes, plating and presentation, and maintaining an organized kitchen. In this process can update or delete menus by checking database of available food ingredients in the storage. Then can update food trends to the customer and can take customer preferences about the food. |
| 8. | Gunasekara W.M.W.A.G.T.N.A | <u>Supplier Management</u> This is about managing all details about Suppliers. Add new supplier, that means include supplier details such as supplier name, ID, mobile numbers, item category. It can be making changes about supplier details if have some updates. Also, can delete supplier details once they needed to be removed, and show all supplier details. A report can be generated on all or a specific supplier and can be downloaded as a pdf file. |