

Project Phase II Report

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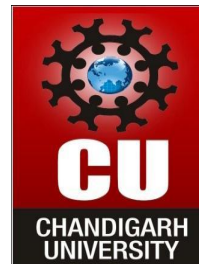
Snack Shack Cafe (Website)

Submitted for the requirement of

Project course

BACHELOR OF ENGINEERING

COMPUTER SCIENCE & ENGINEERING



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Chapter – 2

LITERATURE SURVEY

The Snack Shack Cafe website is implemented to reduce the manual work and enhances the accuracy of work in a restaurant so employment can be increased. The website allows the user to order the traditional and authentic food from the comfort of their home. This website also manages and maintains the record of customers and their order online. This website has been made in a user friendly interface. So that Customers can add and delete the food items easily and can do payment without any trouble. The complete website is designed by analysis of many other food ordering, restaurant management systems, hotel management systems, reports and journals & articles. Some common literatures are as follow:

[1]The purpose of [Online Food Ordering System](#) is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. The Online Food Ordering System's main purpose is to maintain track of information such as Item Category, Food, Delivery Address, Order, and Shopping Cart. It keeps track of information about the Item Category, the Customer, the Shopping Cart, and the Item Category. Only the administrator gets access to the project because it is totally built at the administrative level. The project's purpose is to develop software that will cut down on the time spent manually managing Item Category, Food, Customer, and Delivery Address. It saves the Delivery Address, Order, and Shopping Cart information.

[2]This report documents the process of designing, developing and testing a software system to be used in a restaurant; usually given the name restaurant management system. The restaurant management system is there to help communication between all teams within a restaurant by minimizing the probability of human errors. This report was written by [Carl Abernethy](#) as part of his 3rd year project and was published on May 5, 2010.

[3]An [automated food ordering system](#) is proposed which will keep track of user orders smartly. Basically, we have implemented a food ordering system for different types of restaurants in which users will order or make custom food by one click only. The front end was developed using HTML, CSS, JS and at the backend MySQL, XAMPP database was used.

[4][The perspectives](#) of organizational, marketing and strategic management theories provide a reliable theoretical groundwork to understand the important managerial aspects of menu. For instance, organization

theory explicitly emphasizes the influence of the external environment both on the decisions of firm managers and the survival of firms in the long run. Additionally, pricing, promoting and distributing the products and services should also be consistent with the customers' needs and expectations on the one hand, and with the firm's objectives on the other hand. Thus, in the restaurant context, it is imperative that the menu as the food and beverage combinations offered by a restaurant reflects the expectations and needs of customers. Moreover, managing menus involves planning, pricing, designing, distributing and promotional decisions which are also the main issues of marketing.

[5]The [total front end](#) was dominated using HTML standards applied with the dynamism server pages. At all proper levels high care was taken to check that the system manages the date consistency with proper business validations. The database connectivity was planned using the xampp Database Connectivity, the authorization and authorization was cross checked at all stages. The user level accessibility has been restricted into two zones: the administrative and the normal user zone. The perspectives of organizational, marketing and strategic management theories provide a reliable theoretical groundwork to understand the important managerial aspects of the menu. For instance, organization theory explicitly emphasizes the influence of external environment both on the decisions of firm managers and the survival of firms on the long run.

2.1 Objectives:

The Primary goal of this website is to make the interaction of users/customers with café very smoothly and increase the sales and customer relationship. Secondly, this website also helps to display the café products and dishes, so that users can easily see the products and order their dish online just by pressing one click.

Functionalities provided:

- ❖ **UI/UX Design:** The Snack Shack café website provides a very interactive and user friendly user interface for the users as well as for the administrator or owner of the website. Where users can very easily order food and the admin can very easily handle all the orders in the database of the site.
- ❖ **Tracks Information:** The website is designed using some JS algorithms. Which helps in tracking the information of the users detail as well as the orders details in the software? This process helps in managing the database and increasing the sales and customers of Snack Shack Café.
- ❖ **Recommendations:** Software also uses AI and ML for providing the recommendations to the user according to the previous order or using most like dish data. This feature is different from other web applications.
- ❖ **Chatbot:** Chatbot is specially designed for providing answers to the common questions of the clients regarding the website or their order etc. Chatbots help and provide instant solution to the user's questions and also help the café to interact with more and more users toward the website.
- ❖ **Data Encryption:** The Snack Shack Café website also has the unique feature of converting the plain text or data into cipher text before storing to the database using addition of parity bits in the data. Which helps to protect the site from various attacks or unauthorized users?