SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

Higher National Diploma in Information Technology

HNDIT 2404
Project (Individual)

Supervisor: Ms.P.G.R.N.J Gamlath

Web Based Food Ordering System

Project Proposal

Name of the student	Register Number	Signature
T.M.D.D Thennakoon	KUR/IT/2020/F/0023	

Academic Year: 2019/2020
Year-II, Semester II

Contents

Table of contents **Page Numbers**

1. Introduction

In today's fast-paced world, convenience and efficiency are key factors that drive consumer behavior. One area where these factors play a crucial role is in the food industry, where consumers increasingly rely on online platforms and mobile apps to order their meals. However, many existing food ordering systems are outdated, cumbersome, and fail to provide a seamless experience for both customers and businesses.

To address this gap and enhance the food ordering experience, we propose the development of a modern food ordering system. Our system will leverage cutting-edge technology and innovative features to streamline the food ordering process, benefiting both consumers and businesses alike. With a user-friendly interface, robust functionality, and a focus on convenience, our system will revolutionize how food orders are placed, processed, and fulfilled.

2. Background and Motivation

Background:

The food industry has undergone a significant transformation in recent years, with the rise of online ordering and food delivery services. Consumers now expect the convenience of being able to order food from their favorite restaurants with just a few taps on their smartphones or clicks on their computers. However, many existing food ordering systems are outdated and inefficient, leading to challenges such as slow order processing, limited payment options, and disjointed communication between customers and restaurants.

Motivation:

The motivation behind our proposal for a modern food ordering system stems from the need to address these challenges and provide a solution that enhances the overall food ordering experience for both consumers and businesses. Our system will leverage state-of-the-art technology and innovative features to streamline the entire process, making it faster, more convenient, and more efficient.

3. Problems in Brief

In today's fast-paced world, people are increasingly relying on online food ordering systems for convenience and efficiency. However, many existing food ordering systems have limitations such as complicated user interfaces, slow response times, and lack of personalization options. Additionally, traditional food ordering systems often require multiple platforms for customers, restaurants, and delivery partners, resulting in a fragmented and inefficient process.

4. Aims and Objectives

Aims:

- To develop an efficient and user-friendly food ordering system that meets the needs of customers and restaurants alike.
- To streamline the process of ordering food online, making it convenient and accessible to a wide range of users.
- To improve the overall experience of ordering food by integrating features such as personalized menus, order tracking, and secure payment options.
- To enhance the efficiency of restaurant operations by automating the order management process and reducing errors in order fulfillment.
- To promote sustainability by incorporating features that encourage responsible food consumption, such as digital menus and reduced paper waste.

Objectives:

- Conduct extensive market research to identify customer preferences and restaurant requirements for an optimal food ordering system.
- Develop a user-friendly web and/or mobile application that allows customers to easily browse restaurant menus, customize orders, and make secure payments.
- Implement a robust order management system that enables restaurants to receive and process orders seamlessly, with features such as order confirmation, order tracking, and automated notifications.

- Incorporate personalized features such as user profiles, order history, and recommendations to enhance the overall customer experience and encourage repeat orders.
- Ensure the security and privacy of user data by implementing robust data protection measures, such as encryption and secure payment gateways.

5. Proposed solution

Proposed project, FoodEase, aims to address these issues by developing an innovative food ordering system that offers a seamless, user-friendly experience for customers, restaurants, and delivery partners. FoodEase will be a comprehensive online platform that integrates all aspects of the food ordering process into one streamlined system. The system will allow customers to easily browse and order from a wide selection of restaurants, customize their orders, and track their deliveries in real-time. Restaurants will have access to a user-friendly interface for managing their menu, orders, and inventory, as well as monitoring sales and customer feedback. Delivery partners will also have a dedicated app for efficient order management, navigation, and communication with customers and restaurants.

FoodEase will leverage cutting-edge technologies such as machine learning and data analytics to provide personalized recommendations to customers based on their preferences and order history, as well as optimize delivery routes for delivery partners to improve efficiency. The system will also prioritize data security and privacy, ensuring that customer information and payment details are protected.

The successful implementation of FoodEase will result in a user-friendly and efficient food ordering system that benefits customers, restaurants, and delivery partners alike. It will provide a convenient and personalized experience for customers, streamline operations for restaurants, and improve efficiency for delivery partners. Overall, FoodEase will revolutionize the way food is ordered, making it easier and more enjoyable for everyone involved.

6. Resources Requirements

1.1 Hardware Requirement

- RAM:2GB
- About dual core processor
- Hard Disk:120GB
- Key Board
- Mouse
- Internet connection broadband
- Monitor Resolution 1024 x 768

1.2 Software Requirement

- PHP server
- My SQL server
- VS CODE
- Windows 7 or above OS
- Xampp server

7. Gantt Chart

No	Weeks / Discriptions	01	02	03	04	05	06	07	08	09	10	11	12	13
1	**Problem Definition**													
1.1	Define Requiments													
1.2	Develop the project proposal													
2	**Planing**													
2.1	Develop the scope statement													
2.2	Develop and Refine other Plans													
3	**Design**													
3.1	User Interface Design													
3.2	Design Server Setup													
3.3	DataBase Design													
4	**Development**													
4.1	Development pages an Hyperlinks													
5	**Testing**													
6	**Implementation**													
7	**Documentation**													

8. References

I. W3Schools – HTML Tutorials
https://www.w3schools.com/html/

II. W3Scools – CSS Tutorials
https://www.w3schools.com/html/html_css.asp

III. PHP Tutorial
https://www.tutorialspoint.com/php/index.htm