Project Report

Course Title: Software Project III

Course Code: CSE226

Submitted by

MD TANZIL AHAMED

ID:213-15-4325

Kazi Jahid Hasan

ID:213-15-4361

Department of Computer Science and Engineering

Daffodil International University

Submitted to

Hasnur Jahan

Lecturer

Faculty of Science and Information Technology

Department of Computer Science and Engineering

Daffodil International University

Introduction

Project Overview

The food ordering restaurant project focuses on providing a seamless and user-friendly platform for customers to order food from a wide range of restaurants. By establishing strong partnerships, aggregating menus, optimizing order management and delivery, providing exceptional customer support, implementing effective marketing strategies, and ensuring secure payment options, the project aims to enhance the overall food ordering experience.

Background

The food ordering restaurant project emerges in response to the growing demand for convenient and efficient ways to order food. With the rapid proliferation of online platforms and mobile applications, customers now seek hassle-free solutions to browse menus, place orders, and enjoy their favorite meals from the comfort of their homes or workplaces. This background overview highlights the key factors driving the development of the food ordering restaurant project. The rise of digital technology and changing consumer behavior have significantly impacted the restaurant industry. Today, people increasingly rely on online platforms and mobile apps to fulfill their various needs, including food ordering. With busy lifestyles, limited time, and a desire for convenience, customers are looking for quick and seamless ways to access a wide range of dining options.

Benefits & Beneficiaries

- Convenience for Customers.
- Increased Restaurant Visibility and Revenue.
- Streamlined Operations and Order Management.
- Enhanced Customer Experience.
- Beneficial for individuals, communities, and businesses.

Goals

- Provide a Convenient and User-Friendly Platform.
- Offer a Wide Range of Dining Options.
- Enhance Customer Experience and Satisfaction.
- Enhance public safety and well-being.

Stakeholders

There are many members are associate with this project. They have helped to develop
The system directly or indirectly.

Internal stakeholder

1.   Admin
2.   System Administrator
3.   Emergency Services Provider
4.   IT Department

Project Planning

Table Project Planning

Task name	Resource name	Start	Finish	Duration(Days)
Planning	PM,BA	02-04-2023	05-04-2023	04
Requirement	RE,RA	06-04-2023	11-04-2023	06
System Design	UI Designer	12-04-2023	18-04-2023	07
Database design	DB Designer	19-04-2023	27-04-2023	09
Development	Developer	28-04-2023	18-05-2023	21
Testing	Tester	19-05-2023	22-05-2023	04
Implementation	Implementation Eng.	23-05-2023	28-05-2023	07
Delivery	PM, Implementation	29-05-2023	30-05-2023	01 Total 59

SOFTWARE REQUIREMENTS SPECIFICATION

Requirements analysis is the best process of identifying the user satisfaction
From the system. So, requirements analysis is an important part of project management. When
I selected this project, I thought about some specific software requirement, like as
☐ Who is the stakeholder of this project?
☐ Is it helpful for them or not?
☐ Functional and non- functional requirements
☐ Maintenance of the system
☐ Is it efficient for using?

 Functional Requirement
The functional requirements of the system are like below---

FR-01	Fieldworker Registration
Description	This system allows to user to registration the system using name, Email, and password and become a valid user.
Stakeholder	Fieldworker

System Administrator Login

FR-02	Administrator Login
description	Allocate Administrator can login using name, email and password.
Stakeholder	System Administrator

Emergency Services Provider Registration

FR-03	Manager registration
description	Allocate Services provider can register using name, email and password.
Stakeholder	Emergency Services Provider

It Department Login

FR-04	It Department Login
description	Allocate It department can login using name, email and password.
Stakeholder	It Department

Update Services

FR-05	Update Services
description	If there is any mistake while adding admin, it can be updated later if You want or if you need to change something later, it can be updated later.
stakeholder	System Administrator

Delete Data

FR-06	Delete Data
description	If any data unnecessary or we don't need it then we can delete that data.
stakeholder	System administrator

Emergency Services

FR-07	Emergency Services
description	If that anyone need support the nearest services will be provide
stakeholder	Emergency services proider

Add Data or Services

FR-08	Add category
description	It department can add data and services
stakeholder	It department

User Support and Contact

FR-09	Update category
description	Users can take support and contact for enquires in free toll services indeed.
stakeholder	IT department

Non Functional Requirements

Security

NFR-01	Security
description	Using token-based authentication, session, validation 2FA it will be Secure from unauthorized access.
Priority	High

Availability

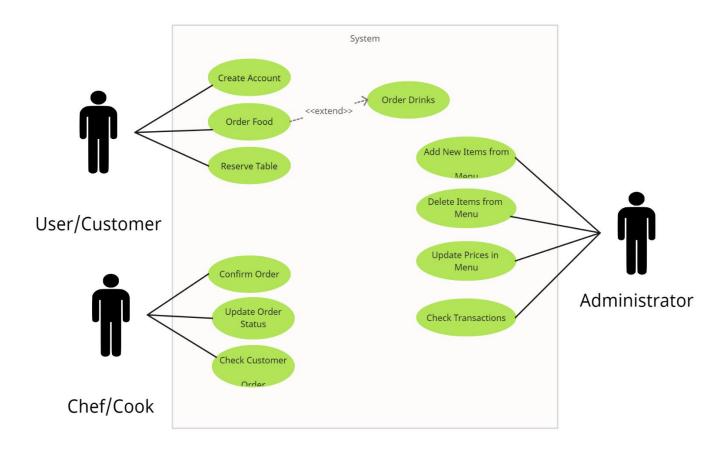| NFR-02	Availability
description	The system should work 24/7 as user can get access and service.
Priority	High

Accuracy

	Accuracy
NFR-03	
description	Data or process requirement concerned with defining the precision which the solution will record or produce data.
Priority	High

Maintenance

NFR-03	Accuracy
description	Its way how easy to support, change and enhance the system.
Priority	High

System Analysis

Use Case Diagram:

Use Case Description Registration System

Use Case	Registration
Goal	Anyone can apply for register
Preconditions	Must be fulfil register required fields.
Success End Condition	System get registration applications from the public.
Failed End Condition	System cannot get registration applications from the public.
Primary Actors:	Public
Secondary Actors	N/A
Trigger	Access this website.

Description/main Success Scenario	**Step**	**Action**
	1.	The public can register into this website
	2.	Public enter the URL & the URL show the "Registration" pages.
	3.	Public enter all required information in "Registration" form.
Alternative Flows	**Step**	**Branching Action**
	1.	Get "Registration" page again load if any error occurred.
Quality Requirements	**Step**	**Requirement**
	1.	Must be authentic as Public. And also edit or update these applications.

Login and Log out System:

Use Case	Login and log out system
Goal	System Admin, Manager, Fieldworker, Admin Administrator can access the system. And finally, Log out.
Preconditions	N/A
Success End Condition	System Admin, Manager, Fieldworker, Admin Administrator can access this system
Failed End Condition	System Admin, Manager, Fieldworker, Admin Administrator can access the system
Primary Actors:	System Admin, Manager, Fieldworker, Admin Administrator
Secondary Actors	N/A
Trigger	Access This System

Description/main Success Scenario	Step	Action
	1	System Admin, Manager, Fieldworker, Admin Administrator
	2	The user enters his or her email id and password in the returning user section of the sign in screen.

Alternative Flows	Step	Branching Action
	1a	The user enters his or her username and password

Quality Requirements	Step	Requirement
	1	When user login then needs to correct email id for login and password.

Manage Pos (Point Of Seals) System :

Use Case	Manage POS system
Goal	In manage POS, admin can view all products, search category wise product and search category wise, then add product cart as per customer's choice, update or delete cart, or add new product. However, by selecting the specified customer, the order placement can be done with the customer's information. Customer does not exit then create new customer account then order placement new customer.
Preconditions	Must be logged in the system then can access the system.
Success End Condition	System successfully view, add, update, delete point of seals (POS).
Failed End Condition	Cannot view and other operation point of seals (POS).
Primary Actors:	Admin
Secondary Actors	N/A
Trigger	View, add, update and delete.

Description/main Success Scenario	Step	Action
	1	Admin view, add, update and delete.
	2	Successfully view add update delete.

Alternative Flows	Step	Branching Action
	1a	N/A

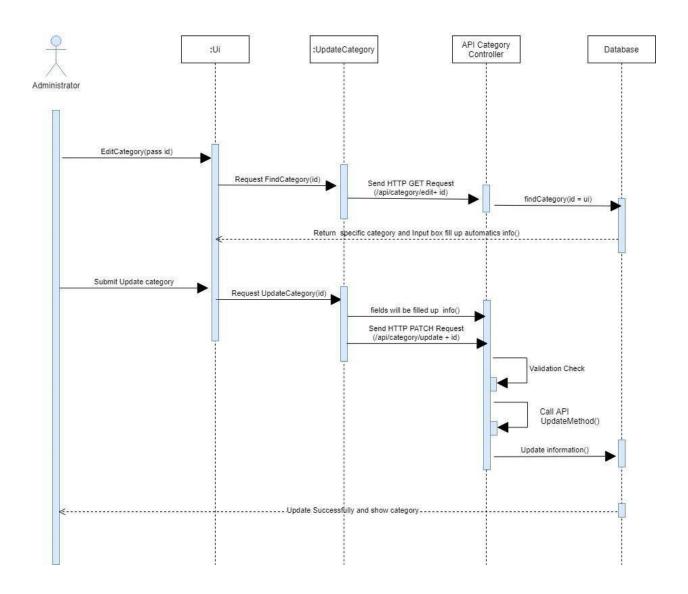| Quality Requirements	Step	Requirement
	1	Must be logged in system.

Employee Manage System:

Use Case	Employee Manage system
Goal	Admin will be able to add new employee. If there is any mistake while adding employee, admin will be able to update it or delete it If that employee is not needed.
Preconditions	Must be logged in the system then can access the system.
Success End Condition	System successfully view, add, update, delete employee.
Failed End Condition	Cannot view and other operation employee.
Primary Actors:	Admin
Secondary Actors	N/A
Trigger	View, add, update and delete.

Description/main Success Scenario	Step	Action
	1	Admin view, add, update and delete.
	2	Successfully view add update delete.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Sequence Diagram:

Update Category

Conclusion:

The food ordering restaurant project aims to revolutionize the way customers order food by providing a convenient, user-friendly platform that offers a wide range of dining options. By focusing on enhancing the customer experience, optimizing operational efficiency, and driving revenue growth for participating restaurants, the project strives to create a win-win scenario for all stakeholders involved.

Through the development of a user-friendly platform, customers can enjoy the convenience of browsing menus, customizing orders, and making secure payments with ease. The project's wide selection of dining options caters to diverse tastes and preferences, ensuring a satisfying experience for every customer.

For participating restaurants, the project offers increased visibility, expanded customer reach, and streamlined order management processes. This enables restaurants to attract new customers, increase revenue, and build sustainable partnerships that contribute to their long-term success.

The project's commitment to continuous improvement and innovation ensures that it stays ahead in the competitive food ordering market. By incorporating customer feedback, monitoring industry trends, and leveraging technological advancements, the platform can consistently enhance its features, functionalities, and overall user experience.

Furthermore, the project's impact extends beyond customer satisfaction and restaurant success. By creating job opportunities and supporting local businesses, it contributes to job creation and economic development within the community, fostering a positive socio-economic impact.

In conclusion, the food ordering restaurant project strives to provide a seamless and enjoyable food ordering experience for customers, drive growth for participating restaurants, foster sustainable partnerships, and contribute to the local economy. By achieving these goals, the project aims to become a leading platform in the food delivery industry, delivering convenience, satisfaction, and economic benefits to all involved parties.