Online Delivery System

Project Timeline: 21.11.2022 to 24.11.2022

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1. Introduction: -

The introduction of the software requirement specification provides an overview of the entire software. The entire SRS with overview description purpose, scope, tools used and basic description. The aim of this document is to gather, analyze and give an in-depth insight into the complete online delivery system by defining the problem statement in detail.
The detailed requirements of the online delivery system are provided in this document.

1.1 Purpose: -The purpose of this document is to make food available through online system just by downloading the app and originally it is designed for use in cafeterias and for many more purposes ,but just applicable in any food delivery industry . The main purpose of this is to organize the ordering process for both the customer and the restaurant.

1.2 Intended Audience: -This document is intended to be read by, Customer.

1.3 Intended Use: -

- Development Team
- Maintenance Team
- Customers

Since this a general-Purpose Software Thus any one Can access it.

1.4 Scope: -This project aims to create the development of an automated system of Online delivery management is to assist any organization in ordering and delivering all the items which are made by the customer in an organized way and efficient manner. All the information about a particular customer is stored in a retrievable manner.

1.5 References :-

2. Overall Description: -

An online delivery management is when the customer visits the ordering webpage ,they are presented with an interactive and up-to-date menu, complete with all available options and dynamically adjusting prices based on the selected options. After making a selection ,the item is added to their order ,which the customer can review at any time before checking out. This provides instant visual confirmation of what was selected and ensures that items in the order are, in fact, what was intended.

2.1 Product Perspective: -

The software described in this SRS is the software for a complete Restaurant food ordering system. The system merges various hardware and software elements and further interfaces with external systems .It relies on a number of external interfaces for persistence and unhandled task, as well as physically interacting with humans.

2.2 Product Features: -

The Online food delivery system interfaces with different payment system, currently including cash on delivery while the intended system can use the online payment platforms . The payment system should be operable such that it can be able to view for both customers and the admins, to check whether the payment was successful or failed.

2.3 Operating Environment: -

This operation is done using mobiles or PC by installing the app so that if they were the new users ,they need to register with their details as mentioned. And if the user is already registered then the application will take the user directly to the menu page to place an order what they need.

2.4 Design and Implementation Constraints: -

The online delivery system can be written in an C language with dynamic memory allocations and with data structures.

The system must be reliable enough to run crash and glitch free more or less indefinitely ,or facilitate error recovery strong enough such that glicthes are never revealed to its end-users.

2.5 Assumptions and Dependencies: -

- Customers can order food from the restaurant, and will delivers the order.
- The current system serves with cash on delivery.
- The operating hours the online system are same as the business operation hour.
- The operation of the waiter on wheels Delivery system depends on the changes being made by the restaurant regarding the available food and beverage.

3.1.1 Customer Registration Process: In this process, if the customer is a new user then that person needs to fill some of the details which include, name of the customer, phone number , address to where the order is to be delivered. And if the user is already registered one, then the application takes the customer directly to the menu page.

3.1.2 Menu System: Once they register the app, customers wish to know the new dishes ,fast-moving products and recommended items so they can quietly navigate and can quickly complete.

3.1.3 Order Status: By viewing the menu, the user can decide where to get the dish from selected restaurants and place an order basing on their likes and also if there are items available or not, also if they are satisfied with those menu they make orders or get back of it. And a user can select upto three items at a time.

3.1.4 Payment Modes: As soon as the user place an order, the corresponding item price will be displayed and cash on delivery is the only mode of payment, where a customer makes a payment after they received the order.

3.1.5 Booking Delivery Slots: To perform convenient and successful online delivery , the user should display delivery slots in the online ordering app and let the customers book their convenient slots.

3.1.6 Order Tracking: After placing an order ,the app will be able to inform the customers through notifications, via through SMS and in-app order history about the real time order status and provide an order tracking. And if the delivery person has a confusion regarding the address , then they will make contact with the customer in order to reach the exact location.

3.1.7 Order Confirmation: This feature is used to inform the customers that they have successfully delivered at the particular location the users have mentioned through a SMS after completing the payment with the exact time.

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3.2 System Requirements: -

3.2.1. Tools to be used:

- CPP File Handling
- CPP Language
- System Programming
- Port no :- **9988**
- Port address : **127.0.0.1**

3.3 System Features: -

- Supportability: The system is easy to maintain.
- Design Constraints: The system is built using only C language.

- Usability: Online delivery management is essential for makes the ordering process easier. Also having an online delivery system can make day-to-day operations more and more efficient. Through this it proves that technology is improving day by day. This is the greatest benefit of the online ordering system.

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- Reliability & Availability**:** The system is available when the user is requested for service. The system is available 24/7.
- Performance: The system will work on the user's terminal**.**