Project Title: FoodHub

CATEGORY: Web Application

PURPOSE:

The purpose of developing this “Online Food Delivery system” is to allow the end-users (most precisely college students or faculties) to go through the menu and popular dishes available at the food stalls present in the institute, place their orders and get them delivered according to their convenience.

SCOPE:

It will enable end-users to order food online and get it delivered, thus reducing long queues of customers at the counter and also reducing the workload of the employees at the food stalls (like canteen, Nescafe etc.) available at the institute. This is restricted to the college food stalls only. These food stalls will be able to update their menu and rates of the available foods also. Improved and efficient services are provided to the customers by the inclusion of the internet in the business. As a business point of view it gives you an edge over other competitors.

INTRODUCTION:

Introduction contain the following sub categories:

Existing System:

The present system is a manual system or a semi-automated system. In the existing system, food stalls are based on pen-paper records of the orders placed, cash payment and long queues of the end-user at the counter. This results in crowded canteens where ordering food and having it becomes time consuming for the end-user.

Disadvantages of the existing system

- ➢ Customers need to physically go to the stalls to place their orders.
- ➢ Stalls can be crowded at times due to which the customers may face long queues to place orders.
- ➢ Crowded food stalls can be tedious for the employees to manage.
- ➢ Customers need to wait at the food stalls while the food gets prepared.
- ➢ Crowded food stalls are not in accordance with the current COVID-19 pandemic protocols.

Proposed System:

The online food ordering system aims to give the customers a better experience as compared to the existing system because of various privileges it provides. The system after careful analysis has been identified to be presented with the following modules:

- **Food stall registration:**
  Food stalls are registered on the portal over which they can display their food menu and other related information.
- **Authentication:**
  At the time of registration of the food stalls, Username and Password will be used further to login to the portal.
- **Easy access to Customers:**
  Customers will get easy access to the available food stalls and their menu in the institute campus.
- **Online ordering system:**
  Customers can order their food online without any need of physical visit to the food stalls.
- **Pre-Order comment:**
  Customers can schedule the time of delivery and also add extra comments (customization of foods and scheduling the time).
- **Payment Gateway:**
  An instant, secure and convenient online payment gateway will be time-efficient for the end-users or customers (students, faculties, etc.) and food stalls.

Advantages for End-Users or Customers:

Advantages for the end-users are explained below:

- **Online:**
  Customers no longer need to physically go to the stalls to order food and have it. It can be done online using this web application sitting inside your room.
- **Convenience:**
  Customers can order food anytime according to their convenience.
- **Time Saving:**
  The process of ordering food no longer remains time consuming.
- **Stalls & food options:**
  Customers can easily go through the food stalls available at the institute and browse the available food options there.
- **Easy Payment:**
  Cashless payment through the payment gateway will be helpful for the Customers.

Advantages for Food Stall Employees:

Advantages for the food stall employees are explained below:

- **Efficient order management:**
  It would help the employees at the food stalls to efficiently manage and process the orders in a systematic way.
- **Easy market:**
  Reach of the food stalls across the customers or end-users increases in a significant way.
- **Easy Payment:**
  Cashless payment through the payment gateway will reduce the workload of the employees at the food stalls.

FUNCTIONAL REQUIREMENTS:

Functional requirements of our system are explained below:

- **Registration:**
  Application provides a link for the Users/Client Registration.
- **Log In:**
  Administrator and Client can log in by entering username and password and manage their work on a website.
- **Save information:**
  Client enters all its necessary information by filling a personal info form and system save that information.
- **Change requirements:**
  Customers can change any of their information any time.
- **Food Menu:**
  Admin can insert, update and delete the food items from the menu list.
- **Show Food Menu:**
  There is a list of all types of food the company is dealing with the available Themes.
- **Modify the Menu:**
  The stalls admin can add or remove the different dishes.
- **Record Order Details:**
  Customer can select food items from menu and can add the desired food items to The cart. Customer can place the order and gets the confirmation against that Order in the form of order no.
- **Show Order Status:**
  Customer can check the status of his/her placed order.
- **View Orders:**
  Admin can view the placed order and delivered orders.
- **Payment:**

There are many types of secure billing options available for the users such as credit cards, debit cards, wallet, UPI payments etc.

NON FUNCTIONAL REQUIREMENTS:

- **Portability:**
  The system shall be able to use the app in different platforms like different versions of OS/Mobiles. Hence, responsive.
- **User friendly:**
  System can be easily used by the customer.
- **Efficient:**
  In case of clashes of order, it places order in the queue on the basis of order time.
- **Safety:**
  Data in the database of the system should not be lost or damaged.
- **Privacy:**
  Personal data of the system should not be disclosed to anyone.
- **Security:**
  Secure access of confidential data (customer information).

SOFTWARE TOOLS:

Database Server: MongoDB Atlas
Client: Any web browser
Library / Framework: Node.js, Express.js, React.js
Development Tools: VSCode
Programming Language: JavaScript

DEPLOYMENT:

Operating System Server: Windows 10, Linux, UNIX

HARDWARE SPECIFICATION:

Processor: Intel Core i3 and above
RAM: 4GB
Hard Disk: 500 GB