**Order Food Online System**

**1. INTRODUCTION**

**1.1About the project**

Online Food Delivery System is a system which will help restaurant to optimized and control over their restaurants. For the waiters, it is making life easier because they don’t have to go kitchen and give the orders to chef easily. For the management point of view, the manager will able to control the restaurant by having all the reports to hand and able to see the records of each employees and orders. This website helps the restaurants to do all functionalities more accurately and enhances the spend of all the tasks. Online Food Delivery System reduces manual works and improves efficiency of restaurant. The online food delivery system set up menu online and the customers easily places the order with a simple mouse click. Also with a food menu online you can easily track the orders, maintain customer's database and improve your food delivery service. This system allows the user to select the desired food items from the displayed menu. The user orders the food items. The payment can be made online or pay-on-delivery system. The user’s details are maintained confidential because it maintains a separate account for each user. An id and password is provided for each user. Therefore, it provides a more secured ordering

**1. Existing system**

In the present scenario, people have to physically visit the hotels or restaurants for eating food and have to make payments through cash mode most of the time due to unawareness of advanced technologies at certain places. In this method time as well as physical work is required, among which time is something that no one has in ample amount.

The traditional food ordering procedure is not efficient enough for hotels and restaurants, as they have to deal with the crowd, in their restaurant. The old methods can be classified into categories which are paper grounded and verbal grounded. For paper-based work, the waiter comes and pens down foods that customers order and pass the food list containing paper to the chefs or cooks in the kitchen for further process.

Also, from the owner’s point of view maintaining data records and the accounts in the physical file are cumbersome and tedious work to do. And also, it is full of risk as anyone can access it and modify the data.

**2. Proposed System**

This system is a bunch of benefits from various points of view. This online application enables the end-users to register to the system online, select the food items of their choice from the menu list, and order food online. Also, the payment can be made through online mode or at the time of home delivery depending upon the customer’s choice and convenience.

The selection made by the customers will be available to the hotel reception or to the person handling the work assignment. Now this same person will assign the orders to the specialist chef to be completed within a fixed duration of time. As soon as the chef prepares the food, the later person forwards the parcels to the delivery persons assigned with the location and customer identity of the customer along with the bill status.

With this application, the workload of the water in the hotel Share reduced, or in some situations, their work is abolished. One of the various benefits of this is system is that if there is a rush or a huge crowd present in the restaurant then in that case sometimes unavailability of tables cut downs the restaurant’s customer.

Also, there will be chances that the waiters are unavailable as they are busy handling others, so the customer can directly order the food to the chef online by using this application, by checking the seat availability in the restaurant. This system allows the staff to serve customers within less time as compared to the manual system.

**HARDWARE SPECIFICATION**

* Processor: Dual core
* RAM: 2 GB

**SOFTWARE SPECIFICATION**

* Database: Mysql or Db browser,
* Language: Python
* Framework: Django
* Platform: Windows Operating System
* Ide: Visual Studio Code
* Browser: Chrome, Internet explorer etc..,

**Modules:**

* Customers
* Employees:
* Administrators:

**Customers:**

1. Sign Up (only for new customer) Input: “SignUp” option selected. Output: customer prompted to enter the details.

2. Login Input: “Login” option selected. Output: customer prompted to enter the username and password.

3. Forgot password Input: “forgot password” option selected. Output: customer prompted to enter the email and new password.

4. Select food items State: The customer has logged in and the main menu has been displayed. Input: Items are selected customer feel free to order. Output: System will display selected items.

5. Changes to order Input: “go to cart” option selected. Output: customer can delete or add food item in order.

6. Review the order before submitting Input: “Order Place” option selected. State: Customer name, phone number, location (address) display or enter the all of information. Output: customer prompted to pay the bill.

7. Payment State: The different types of payment method are display. Input: choose any payment method. Output: customer prompted to enter the verification code if choose online payment. State: Display order no., payment details and confirmation of delivery.

8. Logout Input: “Logout” option selected. Output: you are successfully logout. State: System display login page.

**Employees:**

1. Login (Employee login page) Input: “Login” option selected. Output: Employee prompted to enter the username and password.

2. Modify Menu State: In the system all the items are displayed with their rates. Input: “Change” option selected. Output: Employee can make changings in menu like adding or removing food items which are not available and changings rate of items.

3. Order list Input: “Order list” option selected. State: System display all order details. Output: Employee can make changings like confirm order, prepared order, delivered order, not confirm order.

4. Logout Input: “Logout” option selected. Output: you are successfully logout. State: System display login page.

**Administrators:**

➢ Administrators must be able to use Employees all features.

1. Login (admin login page) Input: “Login” option selected. Output: admin prompted to enter the username and password.

2. Logout Input: “Logout” option selected. Output: you are successfully logout. State: System display login page

Flow Diagram:

