Software Engineering LAB
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PROPOSAL REPORT-FOOD ORDER SYSTEM

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Outline

Abstract

- ONLINE FOOD DELIVERY SYSTEM is a website designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labor cost involved. The system also allows to quickly and easily manage an online menu which customers can browse and use to place orders with just few clicks. Restaurant employees then use these orders through an easy to navigate graphical interface for efficient processing.

Introduction

- Online ordering system that I am proposing here, greatly simplifies the ordering process for both the customer and the restaurant. System presents an interactive and up-to-date menu with all available options in an easy to use manner. Customer can choose one or more items to place an order which will land in the Cart. Customer can view all the order details in the cart before checking out. At the end, customer gets order confirmation details. Once the order is placed it is entered in the database and retrieved in pretty much real time. This allows Restaurant Employees to quickly go through the orders as they are received and process all orders efficiently and effectively with minimal delays and confusion

Objective

- Develop a system that will allow customers to place their food order online and provide them with feedback as to the calorie and fat count of the meal, a generic image of the meal, a list of side dishes, main course ingredients, and cost information.

Related Work

- • Manual work takes place in order to place any orders.
  • Miscommunication - While placing an order over the phone, Menu items will not be available for customers
  • Number of resources to complete the order in terms of employees.
  Above discussed problems can be resolved with a simple solution which is Online Food Ordering system.

Features

- • Providing single platform for customers' orders and restaurants.
  - • Online menu with multiple food varieties.
  - • Easy access for the customers to place and receive orders.
  - • Providing the payment gateway for the restaurant
  - • Check the review of the restaurant before ordering.
  - • Notifying the customer with actual order time and expected delivery time.
  - • Restaurant can Track the employee details.

Advantages

- • Unique database for the restaurants about the customers.
  - Helps customer to place order online.
  - No need of waiting for the food at the restaurant door-step.
  - No more order miscommunications between customer's employees and restaurants.
  - Helps restaurants to improve the quality of the service.
  - Customer will get benefit by rewards and restaurant will get benefit from the business.
  - Suits for small food businesses.

Functional Assumptions:

- In our solution, we mainly concentrated on managing customers, Menu Items, orders, payment Details. Once the customer sign-in into the site he select the restaurant of choice. Once the restaurant has been selected our problematic solution start. The customer Log-in and the delivery details are not taken into consideration.
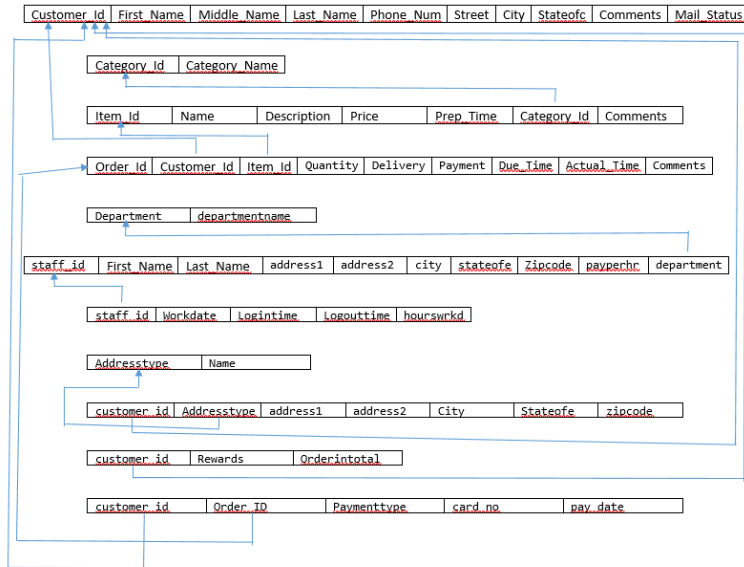 Assume that the customer selected the restaurant of choice and the restaurant will have all the details about the customer. Customer will select the category and them go through the Item list which will have Name, description, preparation time, price etc. Once the Items selected by the user a unique order Id will be generated provided to the customer. The order table will let the customer know about the final order details and expected delivery time. While selecting the Item, customer can specify the needs of the food in comments.
  Once the order is Finalized payments can be done through online which will be linked through the customer Id and the Order Id. Restaurant process the order and check for the employees available in the shift and assign the delivery to them.
  Depends on the amount of order the restaurant can give reward points to the customer.
  Few Sample Queries to have an outline of the database design relating to the real world

Relational Schema:

Customer_Id	First_Name	Middle_Name	Last_Name	Phone_Num	Street	City	Stateofc	Comments	Mail_Status

Category_Id	Category_Name

Item_Id	Name	Description	Price	Prep_Time	Category_Id	Comments

Order_Id	Customer_Id	Item_Id	Quantity	Delivery	Payment	Due_Time	Actual_Time	Comments

Department	departmentname

staff_id	First_Name	Last_Name	address1	address2	city	stateofe	Zipcode	payperhr	department

staff_id	Workdate	Logintime	Logouttime	hourswrkd

Addresstype	Name

customer_id	Addresstype	address1	address2	City	Stateofe	zipcode

customer_id	Rewards	Orderintotal

customer_id	Order_ID	Paymenttype	card_no	pay_date

What To Do

- provide a display that will allow the customer to choose menu items and make corrections. update this display with changes to the order. provide a running total cost and calorie/fat count. At order finalization, we will request identification information from the customer. offer a static map of our surrounding area so that customers unfamiliar with our location can find us.

Implementation

- Hardware Interface:
  - Pentium Processor
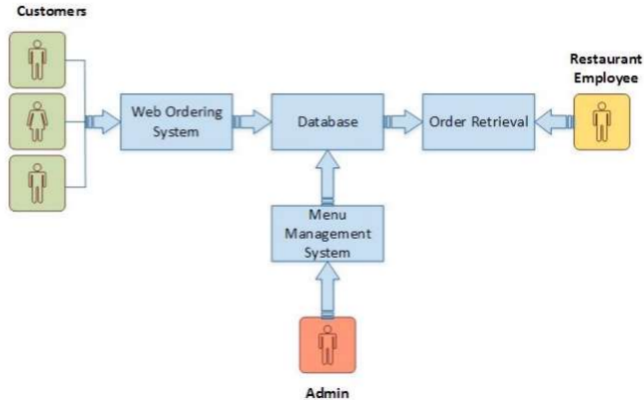 - 60 MB of free hard-drive space
  - 128 MB of RAM
  Software Interface:
  - Operating System: Windows (Vista/7 or above)
  - Web Browser: IE 10 or above, Mozilla FF 31 and above or Google Chrome
  .Xampp platform

MODULES

1. Admin
2. User Module
3. Contact Us Module
4. Search Module

Program Requirements

Web Ordering System Module

Create an account.
- Manage their account.
- Log in to the system.
- Select an item from the menu.
- Add an item to their current order.
- Review their current order.
- Remove an item/remove all items from their current order.
- Provide payment details.
- Place an order.
- Receive confirmation in the form of an order number.
- View order placed.

Menu Management System Module

Add/update/delete food category to/from the menu.
• Add /update/delete food item to/from the menu.
• Update price for a given food item.
• Update additional information (description, photo, etc.) for a given food item.

Order Retrieval System Module

Order Retrieval System Module This is the most simplest module out of all 3 modules. It is designed to be used only by restaurant employees, and provides the following functions: Retrieve new orders from the database.

- Display the orders in an easily readable, graphical way.