**ABOUT THE PROJECT**

The objective of this project named Catering Management System is to create a fully computerized system implemented to order online. The customers will easily be able to order food from this website. After the customer registration is done, the customer can view the various food items and create a menu to their liking. The customer is required to order at least 7 days before the event. A minimum order of 50 plates is required for an event. They can confirm the order by paying 40% of the amount in advance. They can pay either through debit or credit card by entering the card details. The customer can cancel the order 2 days before the event, after which no refund will be available.

The project Catering Management System is an effect to solve various problems in ordering offline. The project establishes a systematic and reliable service. It is a very smooth, efficient, and fast system. The normal system had many limitations. However, the process of computerization, the system overcomes those limitation.

**PLATFORM**

**FRONT END:PHP**

**BACK END: MySQL**

**USER CHARACTERSTIC**

This software has two users.

1. Admin
2. Customer

**ADMIN**

Admin is the head of the software who has the most or maximum control over the software. He / She is the primary user in the software. The Admin administrates over the entire activities and has full control over the system. He/ She is the only user who can make day to day updates in food items and prices and can make changes to the system.

**CUSTOMER**

The customers are little prior when compared to the admin, so they have little privileges. They can place the order for the desired types of food, provide event details and have an option for cancelling the order. They can view their order details and track their status. The customer can also provide their feedback based on the quality of the food.

**MODULES &DESCRIPTION**

1. Customer registration
2. Food management
   1. category management
   2. sub-category management
   3. item management
3. Menu & Venue management
4. Order management
5. Payment management
6. Feedback management

**1.Customer registration**

Customer registration module stores the details of all the customers who register in the store. customers enter the system after registration and their details get stored in this module. They can edit and view their details when they need to.

**2. Food Management**

This module is to manage all the food items in an organized manner.

There are 3 sub modules:

**2.1 Category management**

. The module manages the three-course meal category which are: -appetizers, main course, desserts.

* 1. **Sub-category management**

This module is needed to store the details of the types of food items that we offer.

* 1. **Item management**

This module keeps track of the food item based on the category and subcategory. The customer can add food items from here to the menu according to their liking.

**3.Menu & Venue Management**

This module manages the customers menu and venue details. The customer will be able to add, edit and view the menu and venue. The customer will be able to modify this information any time before 2 days of the mentioned event date.

**4. Order Management**

This module manages the order details of the customers. The customer can add, edit and view the orders.

**5.Payment Management**

This module keeps the details of the payments done by the customer. Here the customer can add and view their payment methods.

**6.Feedback Management**

This module manages the feedback provided by the customer based on the quality of the food.

**DATA FLOW DIAGRAMS**

**Level 0 DFD**

Level 0 DFD showing the catering management system.



**Level 1 DFD**

Level 1 DFD showing Catering Management System



Level 2 DFD showing customer registration.



Level 2 DFD showing Food Management.



Level 2 DFD showing Menu & Venue Management.



Level 2 DFD showing Order Management.



Level 2 DFD showing Payment Management.



Level 2 DFD showing Feedback Management.



Level 3 DFD showing Category Management.



Level 3 DFD showing Sub-category Management.



Level 3 DFD showing Item Management.



**TABLE DESIGN**

**TABLE NAME:** tbl\_Login

**TABLE DESCRIPTION:** A table which stores login details.

|  |  |  |  |
| --- | --- | --- | --- |
| Username | Varchar(25) | Primary key | User login Email |
| Password | Varchar(25) | Not Null | User Password |
| User\_Type | Varchar(25) | Not Null | User Type |

**TABLE NAME:** tbl\_Customer

**TABLE DESCRIPTION:** A table which stores customer details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Cust\_id | Numeric(10) | Primary Key | Customer ID |
| Username | Varchar(25) | Foreign Key | Customer Login Email |
| C\_FName | Varchar(25) | Not Null | Customer First Name |
| C\_MName | Varchar(25) | Not Null | Customer Middle Name |
| C\_LName | Varchar(25) | Not Null | Customer Last Name |
| C\_PhNo | Numeric(10) | Unique | Customer Phone Number |
| C\_HNo | Varchar(25) | Not Null | Customer House Number |
| C\_Street | Varchar(25) | Not Null | Customer Street |
| C\_Dist | Varchar(25) | Not Null | Customer District |
| C\_Pin | Varchar(10) | Not Null | Customer Pin Code |

**TABLE NAME:** tbl\_Category

**TABLE DESCRIPTION:**  A table which stores the category details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Category\_ID | Varchar(5) | Primary Key | Category ID |
| Category\_Name | Varchar(25) | Not Null | Category Name |

**TABLE NAME :** tbl\_Subcategory

**TABLE DESCRIPTION:** A table which stores Sub-Category details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Subcategory\_ID | Varchar(5) | Primary Key | Sub-category ID |
| Category\_ID | Varchar(5) | Foreign Key | Category ID |
| Subcategory\_Name | Varchar(25) | Not Null | Sub-category Name |

**TABLE NAME:** tbl\_Item

**TABLE DESCRIPTION:**A table which stores item details

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Item\_ID | Varchar(5) | Primary Key | Item ID |
| Subcategory\_ID | Varchar(5) | Foreign Key | Sub-Category ID |
| Item Name | Varchar(25) | Not Null | Item Name |
| Description | Varchar(200) | Not Null | Item Description |
| Selling\_Price | Decimal(8,2) | Not Null | Item Selling Price |

**TABLE NAME:** tbl\_Menumaster

**TABLE DESCRIPTION:**A table which stores menu details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Menumaster\_ID | Numeric(10) | Primary Key | Menumaster ID |
| Cust\_ID | Numeric(10) | Foreign Key | Customer ID |
| Quantity | Int | Not Null | Quantity of the required food |
| Tot\_Amount | Decimal(8,2) | Not null | Total amount of the items in menuchild \*quantity |
| V\_Date | Date | Not Null | Venue Date |
| V\_Street | Varchar(25) | Not Null | Venue Street |
| V\_Dist | Varchar(25) | Not Null | Venue District |
| V\_Pin | Varchar(10) | Not Null | Venue Pin |
| V\_time | Time | Not Null | Venue Time |

**TABLE NAME:**tbl\_Menuchild

**TABLE DESCRIPTION:** A table which stores menuchild details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Menuchild\_ID | Varchar(5) | Primary Key | Menuchild ID |
| Menumaster\_ID | Varchar(5) | Foreign Key | Menumaster ID |
| Item\_Id | Varchar(5) | Foreign Key | Item ID |

**TABLE NAME:**tbl\_Order

**TABLE DESCRIPTION:**A table which stores order details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Order\_ID | Varchar(5) | Primary Key | Order ID |
| Menumaster\_ID | Varchar(5) | Foreign Key | Menu Master ID |
| Order\_Date | Date | Not Null | Date of order |
| Order\_Status | Varchar(10) | Not Null | Status of order |

**TABLE NAME:**tbl\_Card

**TABLE DESCRIPTION:**A table which stores the card details entered by the customer.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Card\_ID | Varchar(5) | Primary Key | Card ID |
| Customer\_ID | Varchar(5) | Foreign Key | Customer ID |
| Card\_Number | Varchar(25) | UNIQUE | Card Number |
| Bank\_Name | Varchar(25) | Not Null | Bank Name |
| Card\_Type | Varchar(25) | Not Null | Card Type |
| Exp\_Date | Date | Not Null | Expiry Date |

**TABLE NAME:**tbl\_Payment

**TABLE DESCRIPTION:**A table which stores payment details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Payment\_ID | Varchar(5) | Primary Key | Payment Id |
| Order\_ID | Varchar(5) | Foreign Key | Order ID |
| Card\_ID | Varchar(5) | Foreign Key | Card ID |
| Payment\_Date | Date | Not Null | Date of payment |

**TABLE NAME:**tbl\_Feedback

**TABLE DESCRIPTION:**A table which stores feedback details.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATA TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Feedback\_ID | Numeric(10) | Primary Key | Feedback ID |
| Order\_ID | Varchar(5) | Foreign Key | Order ID |
| Feedback | Varchar(50) | Not Null | Feedback details |

