**FOOD COURT AUTOMATION SYSTEM**

The purpose of this project is to order food items through a web page ,many of these allow customers to keep accounts with them in order to make frequent ordering convenient. A customer will search for daily dishes, usually filtered via type of cuisine and choose from available items. Payment can be amongst others either by credit card, internet banking or cash. 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.

Food Court Automation system is a College Food court based system which stores the records of the users who is using Food court. This software maintain the current balance amount of the user. This software is designed to cater the needs of all kind of possible users e.g. Faculty, Students and other Externals who enter the Campus.

• This system maintain the record of the user like , which item he take at lunch time or any other time and the cost of each item and total amount of all item.

• This system maintains the record of Users current balance amount.

• This system maintains record of the User transactions.

**Modules:**

Administrator module

User Module

Deliver module

Order Module

Menu Management System Module

Payment Module

Report Module

**Administrator module**

There are two types of admin users canteen manager and Billing staff.

An administrator may be a dedicated staff whose responsibility is managing all functions of Food court. The Admin can login to the system, can add/update/delete details. The admin can access the entire system functionalities and can add category of food items, sub category of food items, manage users, manage products and manage orders etc. All users are under admin. He can also add canteen staff and assign their roles like billing staff, serving staff , helper .Administrator account can created the developer itself later he can change the password.

This Functionalities provided:

 Create product categories and functionalities,

 Edit / delete product categories and descriptions,

 View and manage orders and sales reports.

**User Module**

Food court Automation system contains 3 users

1. Faculties
2. Students
3. externals

Users have variety of options to choose food from this site .A user will search for daily dishes, usually filtered via type of cuisine and choose from available items. They can add food items on their cart. They get the best prices for the food. Users can order food items at their convenience and their preferred time. Both the Faculties and students can order food either online or directly with the help billing staff. Online ordering is not available for external users they can come to food court and place their order. The order will be automated by the billing staff.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.

All users of the system, are provided with below menu options:

The structure of the system can be divided into 3 main logical components:

• Web Ordering System- provides the functionality for customers to place their order and supply necessary details.

• Menu Management-allows the Food court to control what can be ordered by the customers.

• Order Retrieval System-This is a final logical component. Allows food court to keep track of all orders placed. This component takes care of order retrieving and displaying order information.

**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.

The application will automatically fetch new orders from the database at regular intervals and display the order numbers.

• Under “MyAccount” menu a customer will be able to see only his/her order whereas a Food court Manager or an Admin can see all users orders.

• To view the details of an order, the user must click on that order number, which will display all order details. This structure can intuitively be expanded and collapsed to display only the desired information.

**Menu Management System Module**

Similar to Web ordering system, this module presents Admin with below additional options under “MyAccount” Drop down menu:

• Add Category: Allows to add a food Category name in a simple form.

• Add Product: Allows to add Product Name, Description, Price and choose Category in a simple form along with Product Image.

• Modify Product: Allows updating or deleting product details.

**Web Ordering System Module** :

Customers of the Web Ordering system will interact with the application through an easy to use top navigation menu.

• “Home” menu option: allows the users to see all food items offered with nice images as well as select an item to place an order.

“Menu”menu option: a ‘Drop-Down’ menu, allows users to see all food items per category. Item can then be added to the cart using a single button click.

• “My Cart (x)”menu option: - Allows users to see details of the items placed in cart. Details include Items, Product Name, Product Image, Product Description, Quantity, Unit Price, Total per item and final Total of the order. It also allows ‘Update’ and ‘Delete’ an item using single button click. User can then use a ‘Proceed to checkout’ button to proceed further. - Once, Check Out button is selected, user will be prompted for the Sign In/Sign Up process if not logged in else user will be presented with a simple “Payment Information” form. User will be asked to provide all required details in displayed text boxes and make appropriate Dropdown selections. Then, all this information can be saved using a ‘Save’ button. - User will then be presented with a “Review Order” page, which will display Payment Information along with Order details to review. User can then use a ‘Check Out’ button to place an order. - Once order is placed, user will be presented with appropriate Order confirmation success/failure message.

• “MyAccount”: a “Drop Down” menu will display the user orders, Sign In and Sign Out options.

**Payment Module**

Payment can be amongst others either by credit card, debitcard,internet banking or cash. The payment can be made online or pay-on-delivery system.

**Information Reports: -** Through the Information Report you can see the master information like,Item Information, Users Information, and Payment Deposit Information.

**Item Information: -** You can see all the information of all the item of the canteen

through this Item Master Information.

**2. User Information: -** You can see all the information of all the employee who

uses the canteen for his lunch and dinner through this Employee Master Information.

**Transaction Reports:-** Through the transaction report you can see the transaction information like user wise consumption information and item wise consumption information.

**1. user wise Daily Consumption Report: -** You can see the information of all employees who was uses the food court for lunch or dinner on the particular giving day.

**2. User wise Monthly Consumption Report: -** You can see the information of all user who was uses the food court for food on the particular giving period or month.

**3. Item Wise Daily Consumption Report: -** You can see the information of all items which was consumed in the food court for lunch and dinner on the particular giving day.

**6. Item Wise Monthly Consumption Report: -** You can see the information of all items which was consumed in the food court for lunch and dinner on the particular giving period or month.