

FOOD-APP

Introduction:-

The "FOOD-APP" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, In some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

Abstract:-

The purpose of Online Food Ordering System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Online Food Ordering System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

Scope:-

Online Food Ordering System It may help collecting perfect management in detail. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Online Food Ordering System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly. Our project aims at Business process automation, i.e. we have tried to computerize various processes of Online Food Ordering System.

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.

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- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfy the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Delivered on schedule within the budget.

Functionalities:-

Provides the searching facilities based on various factors. Such as Food Item, Customer, Order, Confirm Order

It tracks all the information of Category, Bill, Order etc.

- ☐ Manage the information of Category
- ☐ Shows the information and description of the Food Item, Customer
- ☐ To increase efficiency of managing the Food Item, Category
- ☐ It deals with monitoring the information and transactions of Order.
- ☐ Manage the information of Food Item
- ☐ Editing, adding and updating of Records is improved which results in proper resource management of Food Item data.

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- | Manage the information of Order
- | Integration of all records of Confirm Order.

Modules :-

- **Admin**
- **Branch Manager**
- **Staff**

❖ **Admin Module:**

- Owner will login using email id and password.
- Owner authorized to create branches of the food restaurants.
- Owner able to see all the branches that have been created by him/her and can monitor.
- Owner able to monitor Branch Managers in a list format.
- Owner can able to see all the branch managers of specific branch.
- Owner able to assign a branch manager to the food branch.

❖ **Branch Manager Module:**

- Branch Manager able to login using email id and password.
- Branch Manager authorized to Create Menu.
- While creating menu, branch manager able to include the food products that will be available in the restaurant.
- Branch Manager allowed to create Staff who are responsible to take the orders.

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- Branch Manager can change the status of the availability of the food items.
- Branch manager able to delete or update the staff as per their presence.
- Branch Manager can modify the menu or delete the menu.

❖ **Staff Module:-**

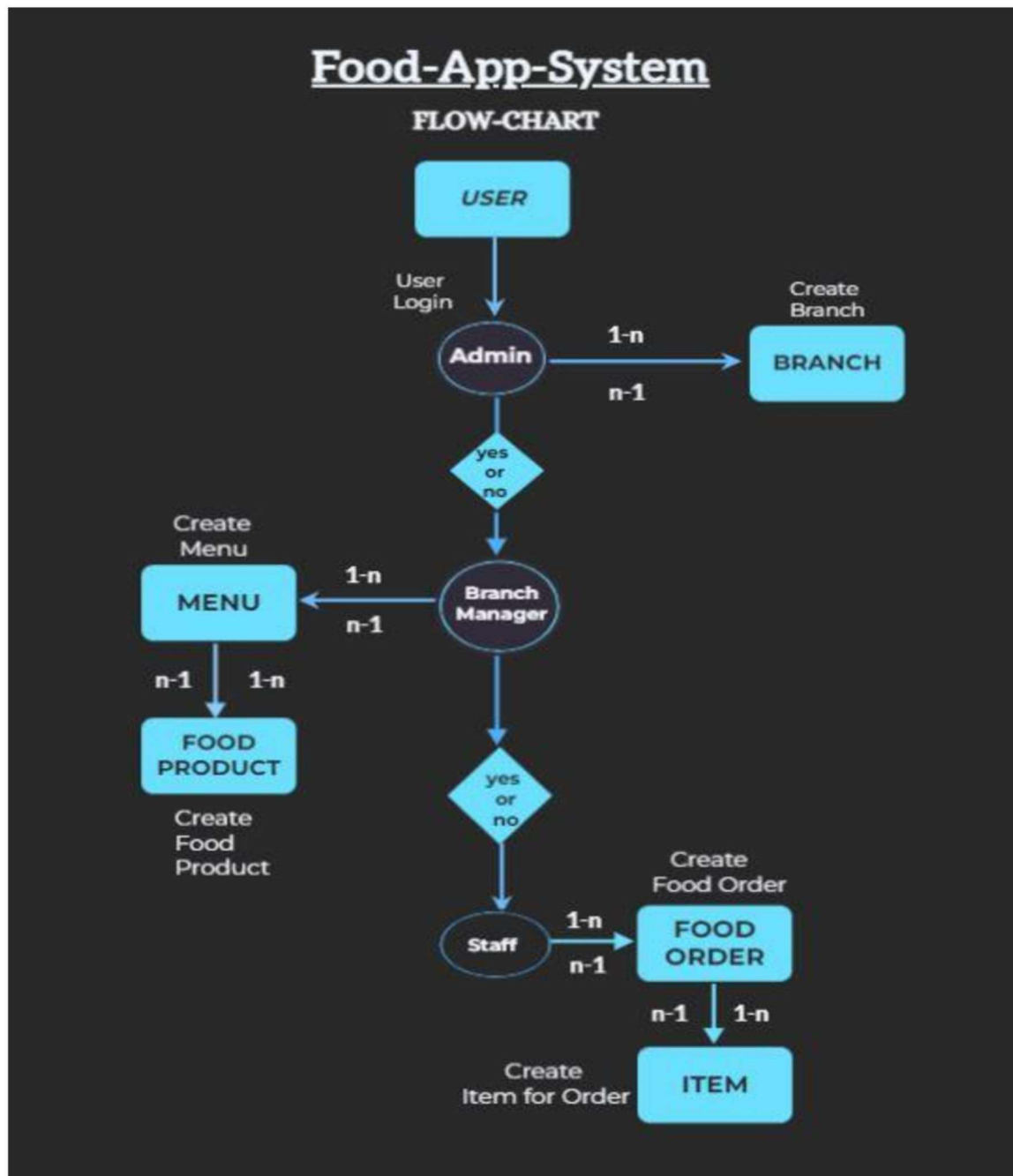
- Restaurant staff able to login using email and password.
- Staff authorized to create a food Order as per user request.
- While creating food order, staff can create items and their quantity as per user request.
- Staff allowed to see all the food orders that has been placed.
- Staff allowed to change the food preparation and delivery status accordingly.
- Staff can able to link the customer phone number and name with the order been created.
- Staff can able to generate an invoice after the food order been placed.
- Staff can able to delete orders and update the order details accordingly.

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Flow Chart:-



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Data Transfer Objects:

USER

id
name
email
password
role

@OneToOne
Menu menu

@OneToMany(mappedBy="user")
List<Branch> branch

@OneToMany(mappedBy="user")
List<FoodOrder> foodOrders

FOOD PRODUCT

id
name
type
about
availability
price

@ManyToOne
@JoinColumn
Menu menu

FOOD ORDER

id
status
totalPrice
orderCreatedTime
orderDeliveryTime
customerName
ContactNumber

@ManyToOne
@JoinColumn
User user --->{"Staff"}

ITEM

id
productId
name
type
quantity
price

@ManyToOne
@JoinColumn
FoodOrder foodOrder

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MENU	BRANCH
id	id
@OneToMany(mappedBy=" menu")	name
List<FoodProducts> foodProducts	address
@OneToOne	phoneNumber
@JoinColumn	email
User user ("BranchManager")	@ManyToOne
	User user("Admin")

User/Customer/Buyer Business Requirements:

The requirements in the documents are prioritized as follows:

Value	Rating	Description
1	Critical	Most Urgent and the most important Requirement
2	High	Urgent but not as Critical Requirements and important requirements
3	Medium	Important but not urgent requirements
4	Low	Low important not urgent requirements
5	Future	Future Scope Requirements