Paying Guest-APP

Introduction:-

The "PGMS-APP" has been developed to override the problems faced by the User/Customer. This software is supported to eliminate and in some cases reduce the hardships faced by the User/Customer. Moreover, this system is designed for the particular need of the Customer(Student or Working Professionals) to carry out operations in a smooth and effective manner.

Abstract:-

The purpose of Paying Guest Management System is to automate the existing manual system by the help of full-fledged computer software, fulfilling User/Customer 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 is easily available and easy to work with PGMS. Paying Guest Management System as described above, can lead to error free, secure, reliable and fast management system. We have simplified the PGMS in such a way that the relevant data can be easily accessible by both parties(Customer and PG owner).That means that one need not be distracted by information that is not relevant, while being able to reach the information.

Scope:-

Paying Guest Management System will help collecting perfect management in detail. In a very short time, the collection of PG details will be obvious, simple and sensible. It also helps in easy access of all the relevant PG details along with Cost and availability which will be helpful to the User/Customer. The Customer details with their preferences are also stored in a systematic and organized manner so that the PG owners will have a better knowledge of the facilities required.

- This application gives the information about the PG's to the User/Customer
- It satisfy the user requirement
- Be easy to understand by the user and PG Owner
- Be easy to operate
- Have a good user interface
- Be expandable
- Will display the cost according to the User requirement which User/Customer can select.

Functionalities:-

Provides the information about the facilities based on various factors such as Food, room availability, cost, Wifi, Lift, Washing Machine, Parking etc,.

It gives all the information of Cost, location etc.

- o Manage information of PG's.
- o Shows the information and description the food and other facilities of specific PG's
- o Provides status whether the PG is verified or not verified by admin.
- o Gives the information about cost of specific types of rooms.
- o Editing, adding and updating of records is improved which results in proper resource management of PGMS APP.

Modules :-

➢ **Admin**
➢ **PG Details**
➢ **User**
➢ **Rooms**

❖ <u>**Admin Module:**</u>
- Admin will login using email id and password.

- Admin authorized to add the PG's.

- Admin able to see all the PG Details that have been registered by PG Owner.

- Admin able to monitor PG Details in a list format.

- Admin can able to see all the PG's of specific location.

- Admin can change the status PG.

❖ <u>**PG Details Module:**</u>
- PG Owner able to login using email id and password.

- PG Owner authorized to register PG and PG Details.

- While registering PG, PG Owner able to include the facilities that will be available in the PG.

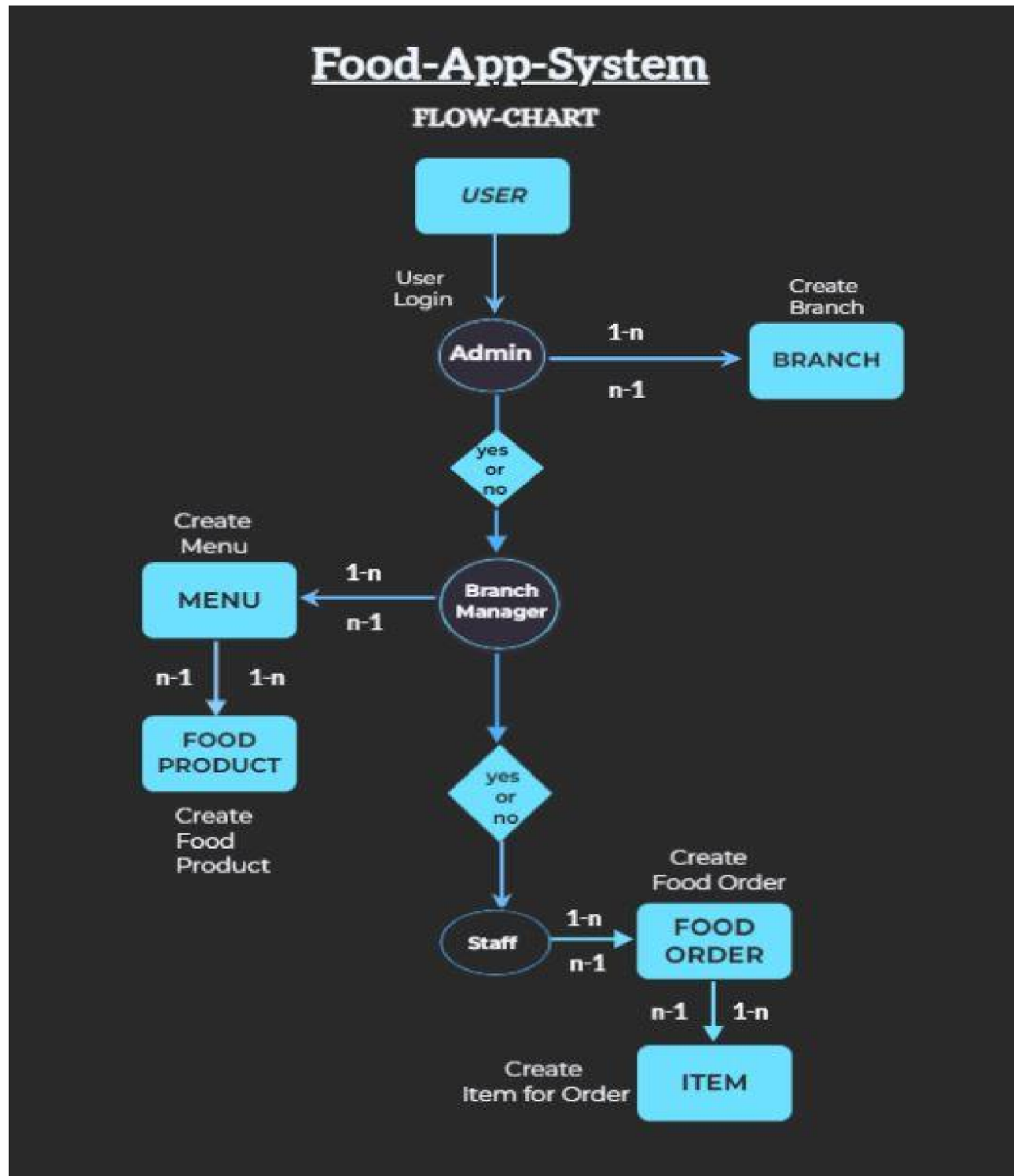- PG Owner can modify the PG Details or delete the PG Details.

❖ User Module:-
- User able to login using email and password.
- User may be student or any working professionals.
- User can get the contacts of PG's according their requirement.
- User can look at all PG Details.
- User can check the availability of rooms and cost.
- User can update or delete their own details.

❖ Rooms Module:-
- Rooms will provide the details about specific rooms
- In Rooms User can get the information about Single, Two, Three, Four and Five Sharing Rooms.
- User will get the information about cost and availability of rooms.

Flow Chart:-

Data Transfer Objects:

USER

id
nam
e
emai
l
passwor
d role

@OneToO
ne Menu
menu

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

@OneToMany(mappedBy="us

FOOD PRODUCT

id
nam
e
type
abou
t
availabilit
y price

@ManyToO
ne
@JoinColum
n   Menu
menu

FOOD ORDER

id
statu
s
totalPrice
orderCreatedTim
e
orderDeliveryTim
e customerName
ContactNumber

@ManyToOn
e
@JoinColum

ITEM

id
productI
d name
type
quantity
price

@ManyToOne
@JoinColumn
FoodOrder
foodOrder

MENU
id
@OneToMany(mappedBy=" menu") List<FoodProducts> foodProducts
@OneToOne

BRANCH
id
name
address
phoneNumber email
@ManyToOne

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