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Restaurant Management System

CSE-1222 Project Report

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Project Objective:

- To make a suitable and secure system for restaurant management.
- To upgrade from a paper-based system to computerized system.
- To lessen the risk of losing records and make it less time consuming in jotting data.
- To make it easier for restaurant owner to conduct his whole restaurant system.
- To make it easier for customer to order a food.

Application:

- The system allows a restaurant owner to access this system by his id,name,number.
- The system has a owner panel and a customer panel.
- In owner panel, the restaurant owner can add food to the menu,edit a particular food,delete items from the menu,add a new owner,edit a owner information,see all the owner,see all the food menu.
- In customer panel,a customer can see all the food items and can order foods.

Login Page:

For a owner,he have to give his id,name,number accurately to login as a owner in this system. Here, the system check the id,name,number is correct or not, if id,name,number are not correct it will show a message like “You are not in our server.Contact with your authority” .If the id,name,number is correct and it will take the owner to the next page.

For a customer,there is no login panel.

Home page:

For an owner,home page has nine option:

- To Add items in menu press 1.
- To Edit items press 2.
- To delete item press 3.
- To add owner press 4.
- To edit owner press 5.
- To delete owner press 6.
- To See all the owner press 7.
- To see all the food press 8.
- To Skip press 9.

For a customer,home page has three option:

- Sign IN and Sign UP (initially)
- To See all food enter 1.
- To Order food enter 2.
- To Skip press 9.

IN OWNER CLASS:

1)Add items in menu:

Here a owner can add new items to the food menu(Menu number,Food name,Food price,Food quantity) and save it in the file.

2)Edit items in menu:

Here a owner can edit a particular food information in the food menu(Food name,Food price,Food quantity) and save it in the file.

3) Delete item from menu:

Here a owner can delete a particular food information in the food menu and save it in the file.

4) Add owner in owner file:

Here a owner can add a owner in the owner file and save it in the file.

To add a owner ,he will need new owner **id,name,number**.

5) Edit Owner in owner file:

Here a owner can edit a particular owner information(**ID,NAME,NUMBER**) in the owner file and save it in the file.

6) Delete owner from owner file:

Here a owner can delete a particular owner information in the owner file and save it in the file.

7) See all the owner:

Here a owner can see all the owners information of their restaurant.

8) See all the food:Here a owner can see all the food menu of their restaurant.

9) Exit option:The owner can exit from the owner panel page.

IN CUSTOMER CLASS:

1) Initially a customer has to face sign IN and sign UP option.

If he has an account,he has to give his email address and password to log IN.If he has not any account,he has to sign UP with his email and password.By the way,if he wants to exit from this page,he can also do that with exit option.

After sign IN or sign UP has been done successfully,a customer will have three option:

1)See all the food:

Here a customer can see all the food menu of the restaurant.

2)Order food from the food menu:

Here a customer can order food from the food menu of the restaurant and can see his total bill.

In this section,if the restaurant has not enough quantity of the food what a customer ordered ,the customer will have a message like “Sorry!We do not have that much of quantity.Do you want to order less?” .When a customer will order a food properly,the quantity of the food will be updated automatically in the food menu file.After all of it,the total bill of the customer will be displayed.

3)Exit option:

The customer can exit from the customer panel page.

Conclusion:

The project is for the restaurant owner to organize the restaurant management system and for the customer to order food easily. This is a software based project, where C++ programming language and file serves as the backbone to the project. The user interface is enough friendly that one can easily understand how it work. This project can help the restaurant to work in organize and it will help the owner to see all owners information and all the food menu. To conclude, this project will help a restaurant owner to store the information of owners and food menu in the file which is not possible in paper-base system and no risk of losing of data.