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Assignment: Hotel Database

Hotel Database

The program basically is to create a database system for reviews and check-ins for a hotel on a day to day basis.

The program is used to keep track of the following fields of a person checking in;

- 1.Name**
- 2.CNIC Number**
- 3.Age**
- 4.Total Rooms Required**
- 5.Days Of Stay**

Along with this the program gives the option to the manager or an official to view the database as giving visual of the whole database to the public might not be of the best interest for the hotel.

That is if they don't pay their taxes right ;)

Functions:

The functions I used and defined are;

check_in():

The function keeps track of the person's name, age, CNIC number, days of stay and the total rooms he or she requires.

display_data():

The function allows a person with a password to view the data base that has been made for the day. The password being a security measure for the hotel of course.

save_file():

The function allows the user to save the days file with all the data that has been entered in the program thus allowing the person managing the database to get a different database for each day.

load_file():

The function allows the user to see the data that has been saved after the day is over.

leave():

The function is for when the user wants to check out of the hotel and the function urges the user to write a review with his exit for the hotel too which is saved as well as an added feature.

review():

The function is for the user to enter his honest thoughts about the hotel and the reviews are saved in a text file to be later read and used by the hotel.

total_bill():

The function is for the user to calculate his total bill using the formula specified by the hotel and estimate or pay his deserving price for his stay.

Working

The core of the program runs off a while loop which asks the user what options he wants to use from the options displayed to him in the form of a menu and then according to his needs one of the functions defined above is called and then used to keep the program simple and efficient.

The whole code is of 92 lines where I tried to go on the thinking of less code and more work and hopefully it's good.

The word úsměv actually directly translates to smile and thus the smileys in my interface =)

The program runs for a day to day basis thus it would create a new file for each day and make the database easier to access as it is categorized on a day to day basis.

Thankyouu =)

