

APPENDIX 1

Hotel Management System

END TERM REPORT

by

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Section: K19PT

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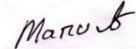
November, 2020

APPENDIX 2

Student Declaration

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

Signature:

A handwritten signature in black ink, appearing to read 'Maruf', is written over a light pink rectangular stamp.

Name: Abdulla Al Maruf

Roll Number: 29

Place: Sherpur, Dhaka, Bangladesh

Date: 30/10/2020

APPENDIX 3

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Introduction:

This Hotel Management System project is a simple offline management software, which can take the input from the user and save it in a CSV file with the room number and can search the room number to generate the bill and show the bill. This is project only can be used as a hotel crews who collect the required information from a customer.

This project is mainly built on a python GUI package called Tkinter. There are various other module is used in this project like CSV, OS, RANDOM to improve the ability of the project and make it much more interactive.

Tkinter is a Python binding to the Tk GUI toolkit. It is the standard Python interface to the Tk GUI toolkit, and is Python's de facto standard GUI. Tkinter calls are translated into TCL(High Level Dynamic programming language) commands which are fed to interpreter.

Objective:

The main objective of this project is to get some required information(Name, Age, Address, E-mail, Phone Number, Number of Person in the room, Gender and NID number) from the customer and store it in a CSV file and when the customer is checking out from the Hotel, It can search by the room number and show how much is the bill.

This application is easy to use, and there is no complex option or no complex coding. This app is not based on OOP(Object Oriented Programming) concept. It is built on using simple user define function. This app is very simple. This app is not that much of advance to use it in Big Hotel or Semi-category hotel.

Description: This project consists of only one python file which is main.py and some associated file is there like one font file to show the hotel name, A CSV file to store the data, and a image file which is the background of the main window.

When we run the main.py file, the output will be something like bellow (if all file at specific location):



Image:1

By clicking “New Entry” a pop-up window will come ask to fill the form. Every time when we click the “New Entry” button, the pop-up will come with three different background color. The pop up is something like image:2.

After fulling all the Entry we can click the “Submit” button to update the data into the CSV file or we can close the window by clicking “Close” button. If all input are correct, after submitting a message will be displayed in the terminal that the data has been updated into CSV file.

The screenshot shows a web application window titled "New Records". It contains a form with the following fields and values:

Field	Value
Full Name:	Abdulla Al Maruf
Age:	22
Email:	abdulla.11900470@lpu.in
Phone Number:	8198883432
Address:	Sherpur, Bangladesh
NID:	0000000000
Number of Person:	2
Floor:	C
Room:	10
Gender:	Male (selected)

At the bottom of the form, there are two buttons: "Close" and "Submit".

Image:2

Updating the information into CSV file we can search for the bill for that particular room by using room number. After clicking a window will pop-up like image:3

The screenshot shows a web application window titled "Load". It contains a form with the following fields and values:

Field	Value
Room No:	C-10

At the bottom of the form, there are two buttons: "Close" and "Submit".

Image:3

By clicking Submit button another window will pop-up having the information of the bill for that room. The pop-up will be something like image:4

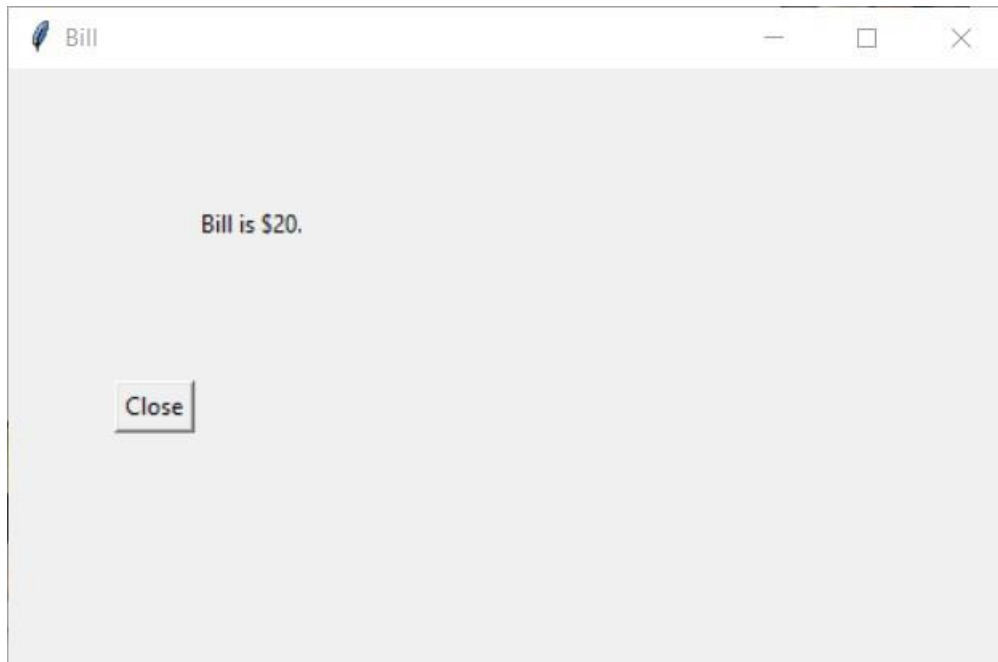


Image:4

After updating some customer information into the CSV file, the file will look something like this.

```
Name, Age, Email, Gender, Phone, Address, NID, Room No, Bill
Abdulla Al Maruf, 22, abdulla.11900470@lpu.in, Male, 8198883432, "Sherpur, Bangladesh", 0000000000, C-10, $20
Ambia Khatun Priya, 21, priya@gmail.com, Female, 8899999999, "Rajsahi, Bangladesh", 999999, A-07, $30
Soykot Rayhan, 22, raihan@gmail.com, Male, 7777776666666, "Dhaka, Bangladesh", 88888888, F-25, $50
```

If we format that file row and column wise, then it looks like this.

Name ▼	Age ▼	Email ▼	Gender ▼	Phone ▼	Address ▲ ▼	NID ▼	Room No ▼	Bill ▼
Soykot Rayhan	22	raiha@gmail.com	Male	7777776666666	Dhaka, Bangladesh	88888888	F-25	\$50
Ambia Khatun Priya	21	priya@gmail.com	Female	8899999999	Rajsahi, Bangladesh	999999	A-07	\$30
Abdulla Al Maruf	22	abdulla.11900470@lpu.in	Male	8198883432	Sherpur, Bangladesh	0	C-10	\$20