C-Programming

Project

On

HOTEL Management System

University	**:**	**Pokhara University**
Level	**:**	**Bachelor**
Faculty	**:**	**Science & Technology**
Program	**:**	**Bachelor of computer application (BCA)**
Subject code	**:**	**PRJ 141.1 Project (0-0-1)**
Lecturer/ Supervisor	**:**	**Er. Hem Raj Bhattarai**

: Project Team

:Group

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BCA-II Reg No.:2019-1-53-0016

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Submitted to:

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Pokhara University

Faculty of Science and Technology

Citizen College

RECOMMENDATION

This is to certify that the Project I Report

Submitted By:

SAJAL ROKKA

And

SUDHA SHRESTHA

Entitled:

C Programming Project on HOTEL Management System

BCA 2nd Semester

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Has been prepared as partial fulfillment of the requirement for the Bachelor's degree approved by Citizen College, Faculty of Science and Technology Citizen College. This project is forwarded for examination to Pokhara University.

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Mr. Neeran Dhaubhadel
(Program Co-ordinator)
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Kumatipati, Lalitpur.

……
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APPROVAL SHEET

Faculty of Science and Technology

Pokhara University

The project I report entitled "C Programming Project on

HOTEL Management System"

Submitted By:

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Symbol No.:20530040
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Submitted towards partial fulfillment of the requirement for the

Degree of **Bachelor of Computer Application (BCA)**

Has been approved by the following panel of examination:

Name	Designation	Signature	Date

Pokhara University

Faculty of Science and Technology

Citizen College

DECLARATION

We hereby declare that the project reported in this project entitled " C Programming Project on Hotel Management System" submitted to Citizen College, Pokhara University is done in the form of partial requirement for the degree of **Bachelor of Computer Aoolication (BCA)** under the supervision of Er. Hem Raj Bhattarai, Head of The Department of Programming Language Faculty of Citizen College.

Signature:

……..

Name: Sajal Rokka
Date:

Signature

……..

Name: Sudha Shrestha
Date:

ACKNOWLEDGEMENT

Frist of all, we would like to thank our all Gods for the grace in accomplishing our project I within the time.

We would like to express our heartfelt thanks to the principal Mr. Hari Krishna Aryal and Coordinator Mr. Neeran Dhaubhadel of Citizen College for allowing us to undergo this project. We are greatly indebted to Er. Hemraj Bhattrai for his kind support, guidance, constructive, supervision, instruction, providing us with valuable guidance and support.

Moreover, the project team is thankful to the NPP Burger House for availing us with the valuable resources which were the most for undertaking our project work.

Last, but not the least we are thankful to our friends, family and others for their direct and indirect help, co-operation and encouragement.

Project Team
Sajal Rokka
Sudha Shrestha

Contents

EXECUTIVE SUMMARY

As a partial fulfillment of Bachelors degree of BCA, the university has assigned every student of BCA to conduct a project regard programming languages in every even semester. So far as to conduct a project we have selected a hotel management system.

The major objective of this study is it is partial fulfillment of the requirement for the degree of Bachelor of Computer Application (BCA) as prescribed by Pokhara University. The general objective of the study is to access the theoretical knowledge in practical one. But the specific objective is to assess the position of the company in terms of profitability and identify the strength, weakness, opportunities, and threats of the proposed organization regarding the use of computers and the software.

It is one of the popular restaurants in the Patan area and has strong goodwill in the market. Its main focus is to serve the customers delicious, hygienic dishes. It has its branches in many areas the valley and have further planning to expand it.

In our project we have introduced the NPP Burger House and the first phase dedicates the general background about the restaurant. In second phase we discussed about the possibilities that can be done or which are possible to bring on our team and discussed with the supervisor. In the third phase the project is done. In the fourth phase, presentation and analysis, issues and their findings are also included. Finally, in the fifth phase we have done the conclusion and recommendations are included.

Chapter 1 INTRODUCTION AND METHODOLOGY

1.1 Introduction

Nepal adopted the multi-university concept in 1983. The idea of Pokhara University (PU) was conceived in 1986 however, it was established only in 1997 under the Pokhara University Act, 1997. Pokhara University has adopted Semester system. All Bachelor's degrees are of four years course extended in eight semester and Master's degrees are of two years extended in four semesters. M. Phil & MBA degree is of one and half years extended in three semesters. There are Four Faculties such as: Faculty of Science and Technology, Faculty of Management Studies, Faculty of Humanities and Social Sciences and Faculty of Health Sciences. Pokhara University is located in Lekhnath Municipality of Kaski district, thirteen kilometer east to the heart of the Pokhara city. It has already built its academic complex in the serene and scenic location of seven lake city, Lekhnath, in the lap of the beautiful Himalayan range and peaks such as Mt. Machhapuchre and Mt. Annapurna. In addition, Begnas lake and Rupa lake are walking distance of its academic complex and central office.

Citizen College was established in 2009 AD with the moto "*Building Responsible Citizens who can Innovate, Lead and Manage*". The College, affiliated to Pokhara University, provides a value-based education at the bachelor level. Citizen College is located in Kumaripati, Lalitpur. Citizen College is commitment to the provision of the quality education relevant for Nepal's future managers, entrepreneurs, IT specialists, and health professional. The undergraduate level instruction offered by the college is designed specifically to meet such a need. Citizen College is successfully implementing several programs an at the bachelor's level in the fields of Business Administration, Business Administration in Travel and Tourism and Computer Application in the affiliation Pokhara University.

The students of BCA under Science and Technology faculty are required to carry out 4 projects for the partial fulfillment of the Bachelor. In 2nd semester of Bachelor of Computer Application (BCA) program, as the frist project the Pokhara University has kept a subject of 1 credit hours known as project I. It helps to blend the theoretical knowledge with practical experience. It is an individual subject and graded as individually and separately. Projects explores the skill and abilities of IT students. Pokhara University undertakes the projects assignment to BCA students. Students are required to submit their report based on a practical method. So, we would like to conduct my project in Hotel Management System.

1.2 Background of the Study

The NPP Burger house has gone through the various phases of its growth trajectory over a short period of its existence. It provides many dishes to the customers and in this Burger House the owner has not kept the computer system yet. NPP has a network of 4 branches across the Lalitpur district. Here nearly 60 peoples work for the NPP Burger House. For NPP Burger House the customers are always on the first priority. It always cares about the cleanness inside the burger house.

1.3 Statement of the problem

The main vision of the NPP Burger House is to serve the customers and brings smile on their customer's faces and maximize the profit. Here, the accountancy is not clear because of lack of proper documentation. The customers are not getting their bills. The competitors has already lunched new technology but here is no technologies yet.

1.4 Purpose and objective

The purpose of conducting the project is partial fulfillment of the requirement for the completion of Computer Application which includes the following:

- To understand the working environment in hotel/restaurant, offices with computer system
- To emphasize and understand the theoretical knowledge into real working environment.

Chapter 2 Program Specification

2.1 Input Specification

S.N.	Variable Name	Description	Data Type	Size
1	Name	Dishe's name	Char	30
2	Id	Rate	Int	4
3	Table	Table no.	Int	4
4	Bill	Bill as table	Int	4

2.2 File Specification

Name	Description	Datatype
*fpt	File pointer for viewing menu	File pointer
*fpt	File pointer for editing menu	File pointer
*fpt	File pointer for adding admin	File pointer
*fpt	File pointer for generating id	File pointer
*fpt	File pointer for viewing bill	File pointer
*fpt	File pointer for editing bill	File pointer

2.3 Screen Design

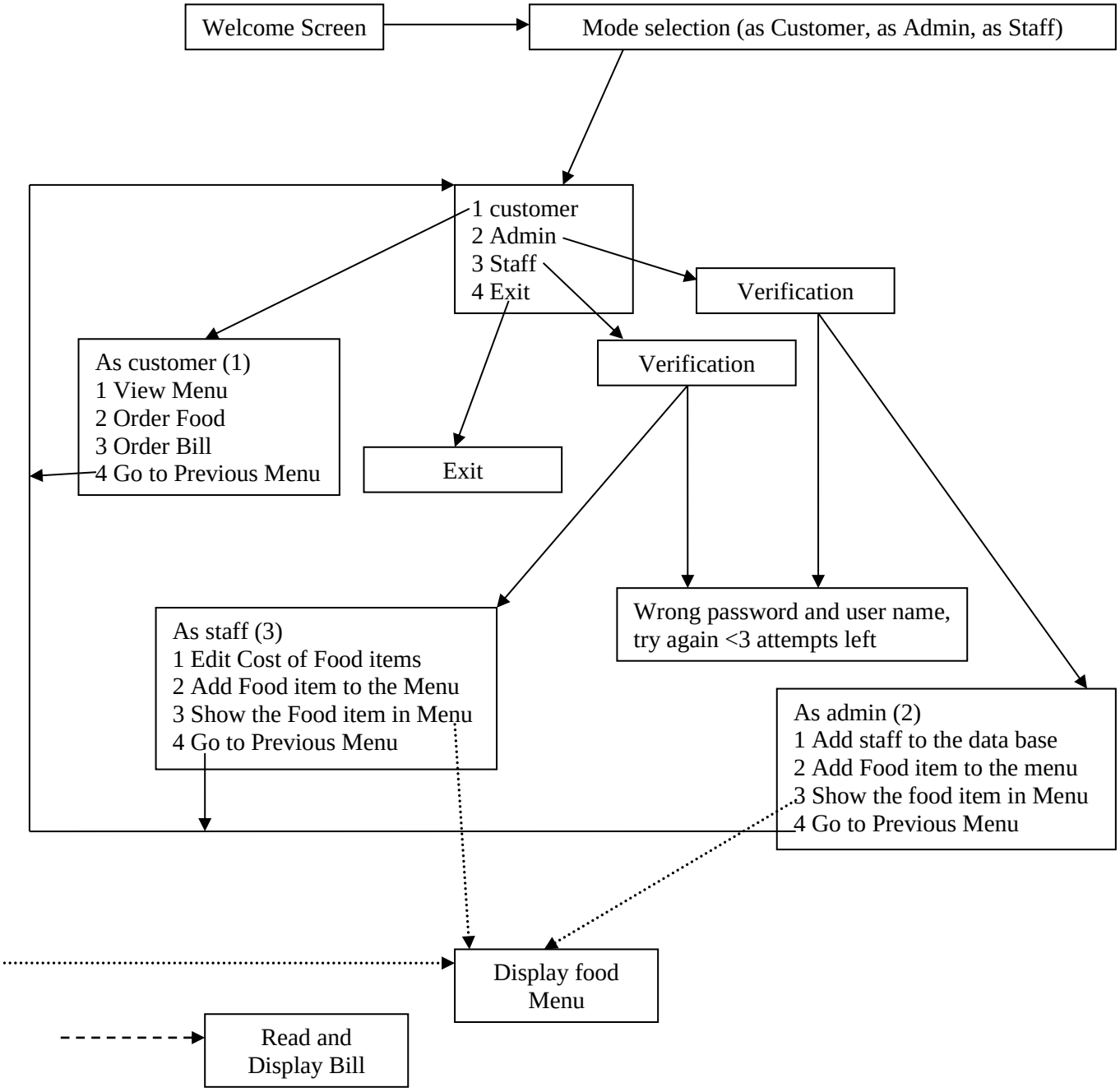
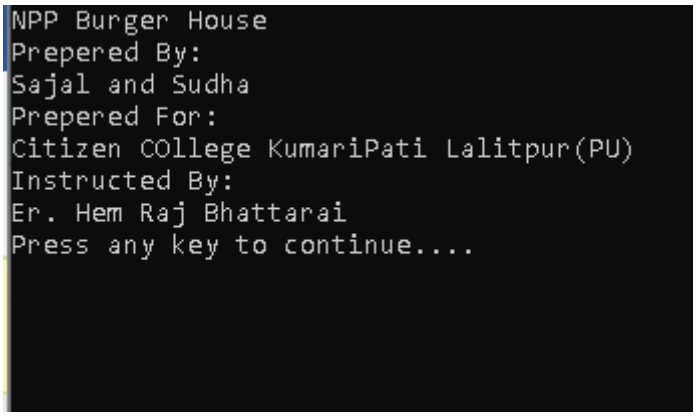


Fig.: Screen Deign

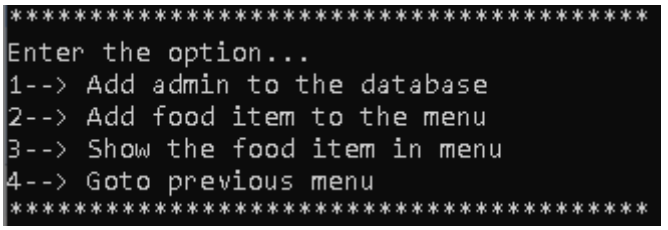
Welcome screen



Mode selection screen

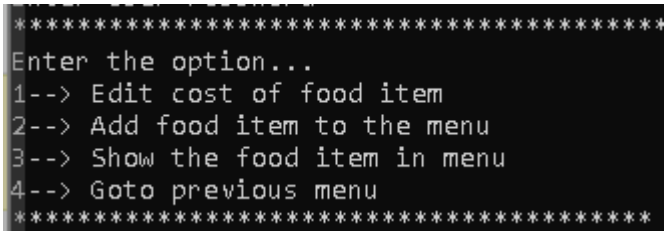
As Customer

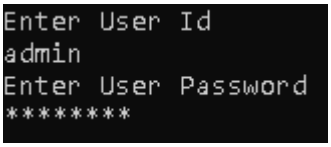
as Admin



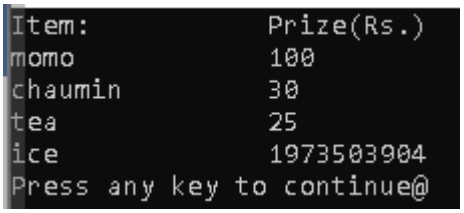
As Staff

Verification Process





Menu



2.4 Processing and Validation

1. **Login Username and password**

   Correct username and password enable user to access through the main system. Otherwise, there are remaining attempts to try again. If not, user will be unauthorized and get out of the system.

2. **Main menu**

   There are number of options regarding users to go on the different modes i.e., customer mode, admin mode, staff mode and to get exit. there are 1-4 options that the users can choose, if any foreign inputs are entered, then error message is displayed regarding the invalid inputs.

3. **Entering admin mode**

   Here also we have some numbers of option that add staff and admins, View the items available, edit the price, go to Previous page.

4. **Entering customer mode**

   Here also we have some numbers of option that view the items available, order the Items, Print the bill, go to Previous page.

5. **Entering staff mode**

   Here also we have some numbers of option that view the items available, order the Items, add the items available, Print the bill, go to Previous page.

6. **Deletion of data**

   To delete the record, we can go to the folder and there we can get many .txt files and we can delete that .txt files through which the data can be deleted or cleared.

7. **Modification**

   For the modification on the prices or in the name or even in the items available we can use the files method or even we can delete or edit from the project also.

Chapter 3 Program design and Code

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<stdlib.h>
#define N 3
//structure for menu item
struct menu
{
char itemName[25];
int rate;
};
//structure for order
struct order
{
char itemName[25];
int rate;
};
//structure for user
struct user{
char userId[20];
//char userRole[20];
char password[20];
};
//structure for customer
struct customers{
char customerName[20];
int customerTableNumber;
};
void FirstScreen();
void welcome();
void printStar(int);
void indexOutlook();
void admin(int );
void customer();
void customerPage();
void staffPage();
```

```
void adminPage();
void staff(int);
void addAdmin();
void addFood();
void viewFood();
void exit();
bool isValidateUser();
int getCount();
void editCost();
void table1();
void bill1();
void table2();
void bill2();
void table3();
void bill3();
void table4();
void bill4();

//main Function entry point of project
int main(){
FirstScreen();
welcome();
getch();
return 0;
}

//welcome page loading...
void welcome(){

int choice=1;
printStar(20);
indexOutlook();
printStar(20);
scanf("%d",&choice);
if(choice==1){
customer();
}
else if(choice==2){
admin(1);
}
else if(choice==3){
staff(1);
}
else if(choice==4){
FirstScreen();
exit();
}
else{
printf("Enter valid choice eg. 1 or 2 or 3 or 4... Thanks\n");
printf("Press any key to continue!! \n");
getch();
system("cls");
welcome();
}

}

//printing star function
void printStar(int n){
for(int i=0;i<n;i++){
printf("*");
}
printf("\n");
}

//index page or first page on output
void indexOutlook(){
printf("Select User \n");
printf("1--> Customer \n");
printf("2--> Admin \n");
printf("3--> Staff \n");
printf("4--> Exit \n");
}
//exit function
void exit(){
```

```
exit(0);
}

//admin Function
void admin(int i){
system("cls");
if(isValidateUser()){
adminPage();
}
else{
printf("Please Enter valid Id or password %d Option remaining \n",3-i);
printf("Enter any key to continue...\n");
getch();
if(i<3){
admin((i+1));
}
else{
printf("You entered more  than 3 wrong password...\n");
printf("Please try againlater thank you ...\n");
printf("Enter any key to continue...\n");
getch();
exit();
}

}
}

//customer Function
void customer(){
system("cls");
customerPage();
}

//staff Function
void staff(int i){
int choice;
system("cls");
if(isValidateUser()){
staffPage();

}
else{
printf("Please Enter valid Id or password %d Option remaining \n",3-i);
printf("Enter any key to continue...\n");
getch();
if(i<3){
staff((i+1));
}
else{
printf("You entered more  than 3 wrong password...\n");
printf("Please try againlater thank you ...\n");
printf("Enter any key to continue...\n");
getch();
exit();
}

}
}

//admin Page
void adminPage(){
int choice;
system("cls");
printStar(40);
printf("Enter the option...\n");
printf("1--> Add admin to the database \n");
printf("2--> Add food item to the menu \n");
printf("3--> Show the food item in menu \n");
printf("4--> Goto previous menu \n");
printStar(40);
scanf("%d",&choice);
if(choice==1){
system("cls");
addAdmin();
}
```

```
else if(choice==2){
system("cls");
addFood();
}
else if(choice==3){
system("cls");
viewFood();
}
else if(choice==4){
system("cls");
welcome();
}
else{
system("cls");
printf("Enter valid option! \n");
printf("Enter any key to continue!! \n");
getch();
adminPage();
}

}

//customer page
void customerPage(){
int choice;
printStar(40);
printf("Enter the option...\n");
printf("1--> View Menu \n");
printf("2--> Order Food \n");
printf("3--> Order Bill \n");
printf("4--> Goto previous menu \n");
printStar(40);
scanf("%d",&choice);
if(choice==1){
system("cls");
//viewFood();
FILE *fp;
struct menu m;
fp=fopen("FoodMenu.txt","r");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
else{
system("cls");
printf("Item:\t\tPrize(Rs.)\n");
while(fread(&m,sizeof(struct menu),1,fp)){
printf("%s\t\t%d\n",m.itemName,m.rate);
}
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
}
//order food
else if(choice==2)
{
system("cls");
struct customers c[4];
int n;
printf("\nEnter the table number:");
scanf("%d",&n);
if(n==1)
{
printf("Enter the name of customer:");
scanf("%s",c[n].customerName);
c[n].customerTableNumber=1;
if(c[n].customerTableNumber==1)
{
system("cls");
printf("Customer Name:\t %s",c[n].customerName);
```

```
printf("\nTable  Number:\t 1");
table1();
}
}

else if(n==2)
{
printf("Enter the name of customer:");
scanf("%s",c[n].customerName);
c[n].customerTableNumber=2;
if(c[n].customerTableNumber==1)
{
system("cls");
printf("Customer Name:\t %s",c[n].customerName);
printf("\nTable  Number:\t 2");
table2();
}
}
else if(n==3)
{
printf("Enter the name of customer:");
scanf("%s",c[n].customerName);
c[n].customerTableNumber=3;
if(c[n].customerTableNumber==3)
{
system("cls");
printf("Customer Name:\t %s",c[n].customerName);
printf("\nTable  Number:\t 3");
table3();
}
}
else if(n==4)
{
printf("Enter the name of customer:");
scanf("%s",c[n].customerName);
c[n].customerTableNumber=4;
if(c[n].customerTableNumber==4)
{
system("cls");
printf("Customer Name:\t %s",c[n].customerName);
printf("\nTable  Number:\t 4");
table4();
}
}
else
{
system("cls");
printf("The number you entered is incorret please enter again");

}

}

//order bill
else if(choice==3)
{
system("cls");
int n;
struct customers c[4];
printf("Enter the table number");
scanf("%d",&n);
if(n==1){
system("cls");
printf("Customer Name:\t %s",c[n].customerName);
printf("\nTable  Number:\t %d",c[n].customerTableNumber);
bill1();
}

}
//goto previous page
else if(choice==4){
system("cls");
welcome();
}
```

```
else{
printf("Enter valid options!!\n");
customerPage();
}

}

//staff page
void staffPage(){
int choice;
printStar(40);
printf("Enter the option...\n");
printf("1--> Edit cost of food item \n");
printf("2--> Add food item to the menu \n");
printf("3--> Show the food item in menu \n");
printf("4--> Goto previous menu \n");
printStar(40);
scanf("%d",&choice);
if(choice==1){
editCost();
}
else if (choice==2){
addFood();
}
else if(choice==3){
viewFood();
}
else if(choice==4){
system("cls");
welcome();
}
else{
printf("Enter valid options!!\n");

}
}

//validation user
bool isValidateUser(){
FILE *fp;
fp=fopen("admin.txt","r");
struct user u;
while(fread(&u,sizeof(struct user),1,fp)){
char userId[20];
char userPass[20];
printf("Enter User Id \n");
scanf("%s",userId);
printf("Enter User Password \n");
//		scanf("%s",userPass);
int p=0;
do{
userPass[p]=getch();
if(userPass[p]){
printf("*");
}
p++;
}while(userPass[p-1]!='\r');
userPass[p-1]='\0';
if((strcmp(userId,u.userId)==0&&strcmp(userPass,u.password)==0)||(strcmp(userId,"admin")==0&&strcmp(userPass,"admin")==
=0)){
return 1;
}
}
return 0;
}

int getCount(){
int a=1;
return a;
}

//adding food to file
void addFood(){
FILE *fp;
struct menu m;
```

```
fp=fopen("FoodMenu.txt","a");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
adminPage();
}
else{
printf("Enter Item Name: \n");
scanf("%s",m.itemName);
printf("Enter Item Price: \n");
scanf("%d",&m.rate);
fwrite(&m,sizeof(struct menu),1,fp);
printf("Item successfully added\n");
fclose(fp);
printf("Press any key to continue@ \n");
getch();
system("cls");
adminPage();
}
}

//viewing the foods in file
void viewFood(){
FILE *fp;
struct menu m;
fp=fopen("FoodMenu.txt","r");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
adminPage();
}
else{
printf("Item:\t\tPrize(Rs.)\n");
while(fread(&m,sizeof(struct menu),1,fp)){
printf("%s\t\t%d\n",m.itemName,m.rate);
}
printf("Press any key to continue@ \n");
getch();
system("cls");
adminPage();
}
}

//adding admin to file
void addAdmin(){
struct user u;
FILE *fp;
fp=fopen("admin.txt","a");
if(fp==NULL){
printf("File can not be opened!!");
printf("Press any key to continue@ \n");
getch();
system("cls");
adminPage();
}
else{
printf("Enter user Id to add \n");
scanf("%s",u.userId);
printf("Enter user Pass to add \n");
scanf("%s",u.password);
fwrite(&u,sizeof(struct user),1,fp);
fclose(fp);
if(fwrite!=NULL){
printf("File successfully written \n");
printf("Press any key to continue... \n");
getch();
system("cls");
adminPage();
}
else{
printf("Failed to write to file!!! \n");
```

```
printf("Press any key to continue... \n");
getch();
system("cls");
adminPage();
}

}

}
void editCost(){
FILE *fp;
char foodName[20];
struct menu m;
fp=fopen("FoodMenu.txt","r");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
staffPage();
}
else{
printf("Enter food name to edit\n");
scanf("%s",foodName);

while(fread(&m,sizeof(struct menu),1,fp)){
printf("%s\t\t%d\n",m.itemName,m.rate);
}
printf("Press any key to continue@ \n");
getch();
system("cls");
staffPage();
}
}
void FirstScreen(){
system("cls");
printf("NPP Burger House \n");
printf("Prepered By: \n");
printf("Sajal and Sudha \n");
printf("Prepered For: \n");
printf("Citizen COllege KumariPati Lalitpur(PU) \n");
printf("Instructed By: \n");
printf("Er. Hem Raj Bhattarai \n");
printf("Press any key to continue.... \n");
getch();
system("cls");
}
void table1(){
FILE *fp;
struct order o;
struct menu m;
fp=fopen("table1.txt","a");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
else{
printf("\nEnter Item Name: \n");
scanf("%s",o.itemName);
if(strcmp("o.itemName","m.itemName")==0)
{
o.rate=m.rate;
}

fwrite(&m,sizeof(struct order),1,fp);
printf("Item successfully ordered\n");
fclose(fp);
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
```

```
}

void bill1()
{
 FILE *fp;
 struct order o;
 fp=fopen("table1.txt","r");
 if(fp==NULL){
 printf("File can not be opened \n");
 printf("Press any key to continue@ \n");
 getch();
 system("cls");
 customerPage();
 }
 else{
 system("cls");
 printf("Item:\t\tPrize(Rs.)\n");
 while(fread(&o,sizeof(struct order),1,fp)){
 printf("%s\t\t%d\n",o.itemName,o.rate);
 }
 printf("Press any key to continue@ \n");
 getch();
 system("cls");
 customerPage();
 }

 }
 void table2(){
 FILE *fp;
 struct order o;
 struct menu m;
 fp=fopen("table2.txt","a");
 if(fp==NULL){
 printf("File can not be opened \n");
 printf("Press any key to continue@ \n");
 getch();
 system("cls");
 customerPage();
 }
 else{
 printf("\nEnter Item Name: \n");
 scanf("%s",o.itemName);
 if(strcmp("o.itemName","m.itemName")==0)
 {
 o.rate=m.rate;
 }

 fwrite(&m,sizeof(struct order),1,fp);
 printf("Item successfully ordered\n");
 fclose(fp);
 printf("Press any key to continue@ \n");
 getch();
 system("cls");
 customerPage();
 }
 }

 void bill2()
 {
 FILE *fp;
 struct order o;
 fp=fopen("table2.txt","r");
 if(fp==NULL){
 printf("File can not be opened \n");
 printf("Press any key to continue@ \n");
 getch();
 system("cls");
 customerPage();
 }
 else{
 system("cls");
 printf("Item:\t\tPrize(Rs.)\n");
 while(fread(&o,sizeof(struct order),1,fp)){
 printf("%s\t\t%d\n",o.itemName,o.rate);
 }
```

```
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}

}
void table3(){
FILE *fp;
struct order o;
struct menu m;
fp=fopen("table3.txt","a");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
else{
printf("\nEnter Item Name: \n");
scanf("%s",o.itemName);
if(strcmp("o.itemName","m.itemName")==0)
{
o.rate=m.rate;
}

fwrite(&m,sizeof(struct order),1,fp);
printf("Item successfully ordered\n");
fclose(fp);
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
}

void bill3()
{
FILE *fp;
struct order o;
fp=fopen("table3.txt","r");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
else{
system("cls");
printf("Item:\t\tPrize(Rs.)\n");
while(fread(&o,sizeof(struct order),1,fp)){
printf("%s\t\t%d\n",o.itemName,o.rate);
}
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}

}
void table4(){
FILE *fp;
struct order o;
struct menu m;
fp=fopen("table4.txt","a");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
else{
```

```
printf("\nEnter Item Name: \n");
scanf("%s",o.itemName);
if(strcmp("o.itemName","m.itemName")==0)
{
o.rate=m.rate;
}

fwrite(&m,sizeof(struct order),1,fp);
printf("Item successfully ordered\n");
fclose(fp);
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
}

void bill4()
{
FILE *fp;
struct order o;
fp=fopen("table4.txt","r");
if(fp==NULL){
printf("File can not be opened \n");
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}
else{
system("cls");
printf("Item:\t\tPrize(Rs.)\n");
while(fread(&o,sizeof(struct order),1,fp)){
printf("%s\t\t%d\n",o.itemName,o.rate);
}
printf("Press any key to continue@ \n");
getch();
system("cls");
customerPage();
}

}
```

Chapter 4 Program Testing

4.1 Test Plan

I. To check whether program runs or not
II. To check if the password display menu takes password or not
III. To check if message “no of attempts 2”, “no of attempts 1” and “No permission to enter the system!!” displayed when incorrect password or user name is entered in the login form for the first, second and third times respectively.
IV. To check if the program menu displays all menu options or not.
V. To check if the all options are right or not.
VI. To check if the adding foods items are stored or not.
VII. To check if the option in the main menu shows display record.
VIII. To check if the Delete Record option is using or not
IX. To check if the Modify option in the main menu works properly or not. .
X. To check if the add admins works or not.
XI. To check the modify record is viewed or not
XII. To check if the Exit options works or not.
XIII. To check after completion of entering records there is next option to enter another record or not.
XIV. To check whether menu is return back or not
XV. To check if the print bill works or not

XVI. To check if the given menu items all functions or not.
XVII. To check if the entry data are stored or not.
XVIII. To check if the Graphics box and color text are displayed or not.
XIX. To check whether full name accepts alphabet or not
XX. To check whether main menu is opened or not when correct username and password is entered Name

4.2 Test and Results

We tested and all the results were successed.

Chapter 5 Implementation

Configuration for hardware and software:
It doesn't need any additional hardware or software to operate the program, but the following requirements should be strongly maintained:
Requirements for hardware:
1. Pentium II and higher.
2. 512MB of RAM or higher.
3. 800MHz processor or above.
4. CD ROM. 5. 20 MB of hard disk space.

Requirements for software:
1. Operating System WINDOWS 98 or higher
2. Program Turbo C++ needs to be installed.
3. The content of BGI files in the folder TC needs to be copied in the BIN folder for functioning of graphical attributes.

Chapter 6 User manual

Step01: When you open the .exe file the welcome page will be open,
Step02: And then press any key to continue to navigate through next scree,
Step03: There you can see many options you can press 1-4 and then press enter button,
Step04: If you press 1 then the customer mode will be open, if 2 then admin, if 3 then the staff if 4 the program will be exit else it says invalid input and the program will be closed
Step05: In this you can go to each page of the program

If you got any difficulty or any issues or any confusions while working on this project you can directly call us on our contact number: +9779800000000 or you can mail us also at …...@gmail.com

Chapter 7 Conclusion

7.1 Program Weakness

As we all know that, no any problem can be 100% reliable and efficient. So, there are also some drawbacks from our system which are follows:

- ✓ It cannot perform all the required functions as of professional one, it's simply a record keeping of single branch of hotel
- ✓ It is not a multipurpose and multitasking program. It can't perform various task at a single time
- ✓ System is not sharply a graphical user interface, there is just use of some text color and boarders.

7.2 Program Strengths

There are many advantages of using this program as it contains various features like:

- × It is actually a user-friendly software, as it is easy to use by just following the instructions which are appeared on the screen.
- × This program has a login system, so that only authorized users are only allowed to accessed through the internal main system.
- × Once a record has been saved, duplicate record can't be made. All the record has unique id so that there will not be any misplace of the records entered.
- × Input name should matched the name entered already in the system in-order to perform deletion, modification and searching, so that record will be safe totally.

7.3 Program Enhancement

- Users can add extra enhancements in the system as per necessity in the future for fulfillment of their requirements.
- Users can add fees billing system in the program.
- Viewing all records without entering name can be made.
- For security purpose, advanced encryption techniques can be applied.
- Graphical interface can be added to make user friendly appliance.

Chapter 8 References

Books:
-Programming in ANSI C
-Informatics study guides

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