



Bangladesh University of Business and Technology

Department of Computer Science and Engineering

Faculty of Engineering

A Project Report
On
Café Management System

Submitted To:

Partho Ghose
Lecturer
Department of CSE
Bangladesh University of Business and Technology

Submitted By:

Name	Id	Intake- Section
Mustahudul Islam Ferdous	21224103012	48-1(Day)
Sidratul Muntaha Meem	21224103028	48-1(Day)
Fakrul Islam Rafsan	21224103031	48-1(Day)

ACKNOWLEDGMENT

First I thank the Almighty Allah and then I express my gratitude and sincere thanks to my teacher, **Patho Ghose**, Department of Computer Science and Engineering for his gracious efforts and keen pursuit, which has remained a valuable asset for the success of our project report. His dynamism and diligent enthusiasm have been highly instrumental in keeping my spirits high. His flawless and forthright suggestions blended with an innate intelligent application have crowned my task with success. I am indebted to him for having helped me shape the problem and providing insights into the solution.

DECLARATION

We declare that this project “Café Management System” is based on the C Language for Software Development. This project is unique and has many future scopes.

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Mustahidul Islam Ferdous

.....

Sidratul Muntaha Meem

.....

Fakrul Islam Rafsan

ABSTRACT

This report documents the process of designing, developing and testing a software system to be used in a café ; usually given the name café management system. The café management systems there to help communication between all teams within a café by minimizing the probability of human errors.

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CHAPTER 1

Introduction

1.1 Description:

A **café** is a type of restaurant which typically serves coffee and tea, in addition to light refreshments such as baked goods or snacks. This project is based on the working of Cafe Management activity which is involved in allotting various types of Management like keep the record of registered User and non-registered user, updating the records. And deleting the records and also generate their reports. The cafe current maintains the records manually. All the working hour, user name and its addresses have to be maintained daily in record book for further reference. Due to manual method the processing is not up to the mark and prone to inefficiencies. Report generation is a very tedious and error prone procedure.

1.2 Objective:

The main objective of the C++ Project on Cyber Cafe Management System is **to manage the details of ID Proof, Charges, Customers, Computers, Usage**. It manages all the information about ID Proof, Downloads, Usage, ID Proof.

1.3 Motivation:

An easy-to-use restaurant management system **allows you to run your establishment like a well-oiled machine**. It will enable you to track your cash flow, monitor your inventory, and manage your employees.

CHAPTER 2

DEVELOPMENT TOOLS, REQUIREMENTS, AND FEATURES

2.1 Development Tools:

1. We used the software name Code Blocks for the IDE.
2. Basic C language is used for the making of this software.

2.2 System Requirements:

1. Available any operating system(Updated).
2. Code Blocks for Front End
3. Language: C.

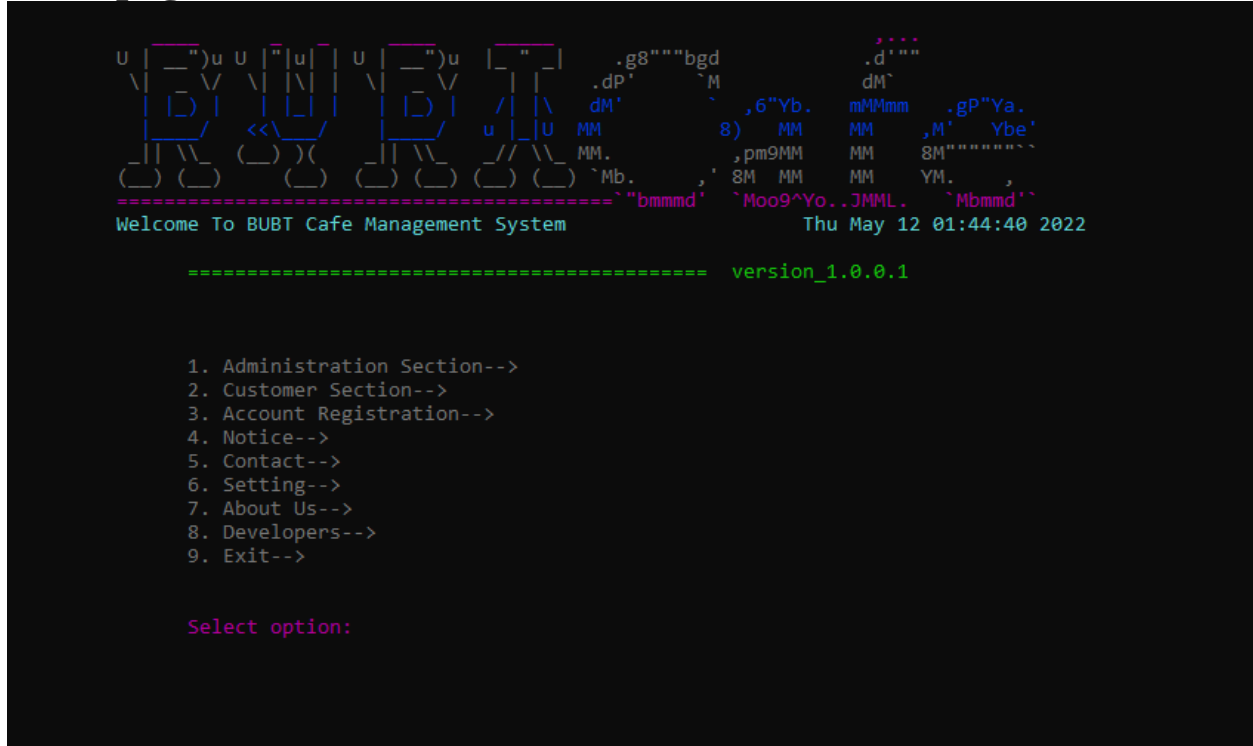
2.3 Hardware Requirements:

1. Any decent available processor.
2. Floating memory minimum of 1GB.
3. Monitor.
4. Mouse.
5. Keyboard.

2.4 Features:

1. Basic calendar functions.
2. Add note
3. Inexpensive
4. User friendly.
5. Fully Informative.

Homepage:



```

U | _")u U | "u| | U | _")u | _" | .g8""bgd .d'""
\ | _\ \ | | \ | \ | \ | | .dP' M dM`
| | | | | | | | / | \ dM' ,6"Yb. mMMmm .gP"Ya.
| | / << \ / | | / u | _| MM 8) MM MM ,M' Ybe'
-| | \ \ ( ) ( -| | \ \ // \ \ MM. ,pm9MM MM 8M""""""`
( ) ( ) ( ) ( ) ( ) ( ) `Mb. , ' 8M MM MM YM. ,
===== `bmmmd' `Moo9^Yo..JMML. `Mbmmdd``
Welcome To BUBT Cafe Management System Thu May 12 01:49:35 2022

===== version_1.0.0.1

1.Order request
2.Registration request
3.Search ID
4.Publish notice
5.Publish about BUBT Cafe Management System
6.Report Box
7.LogOUT
Select option:

```

```

U | _")u U | " |u| | U | _")u | _" | .g8""bgd .d'""
\ | _ \ \ | \ | \ | \ | _ \ \ | _ \ | .dP' ^M dM`
| | | | | | | | / | \ dM' ,6"Yb. mMMmm .gP"Ya.
| | | | | | | | u | _ |U MM 8) MM MM ,M' Ybe'
| | \ \ ( _ ) ( | | \ \ // \ \ MM. ,pm9MM MM 8M"~~~~~`
( _ ) ( _ ) ( _ ) ( _ ) ( _ ) ( _ ) ^Mb. , ' 8M MM MM YM. ,
===== `bmmmd' `Moo9^Yo..JMML. `Mbmmmd`
Welcome To BUBT Cafe Management System Thu May 12 01:51:12 2022

===== version_1.0.0.1

1. FOOD CORNER-->
2. Order History-->
3. Report a problem-->
4. Log Out-->

Select option:

```

Case 3:

```
U | _")u U | "u|_ | U | _")u | _"-_| .g8""bgd      .d'""  
 \ |_)\ \ \ ||\|| \ |_)\ \ \ ||\|| \ |_)\ \ \ ||\|| dP'    `M     dm`  
   |_) |   |_) |   |_) | /| |\ MM        ,6"Yb. mMMmm .gp"Ya.  
   |_/ <<|_/ u |_|U MM            8) MM MM ,M' Ybe'  
 -|| \| (-) )(- -|| \| // \| MM.       ,pm9MM MM 8M ""~~~~~^`  
(-) (-)          (-) (-) (-) (-) ^Mb.  ,' 8M MM MM YM.      ,  
=====``bmmd' ` Moo9^Yo..JMML. ` Mbmd''`  
Welcome To BUBT Cafe Management System                               Thu May 12 01:52:19 2022  
  
===== version_1.0.0.1  
Enter your student/employee ID no:21224103012  
  
Enter a password for your account:  
  
Retype your password:  
  
Enter your user name:ferdous122  
  
Enter your mail address:imustahidul4@gmail.com
```

Case 4:

```

      _____
     /          \
    /             \
   /               \
  /                 \
 /                   \
/                     \
\                     /
 \                   /
  \                 /
   \               /
    \             /
     \           /
      \         /
       \       /
        \     /
         \   /
          \ /
           V
           

=====
Hello consumers!Some chocolates are added on food cart.We hope you will like it. Have a good day!! -Updated on 21 APRIL,2022.
Cafe will remain close until the next announcement due to Eid Festival, Thank you.  -Updated on 28 APRIL ,2021.

```

```
U | _")u U | " | u | _ | U | _")u | _ " | .g8""bgd .d'""  
 \ | _ V \ | \ | | \ | _ V \ | _ | .dp' `M` dM`  
 | | | <<| | | | / | \ MM ,6"Yb. mMMnm .gP"Ya.  
 _|| \ \ ( ) ( _|| \ \ // \ \ MM. 8) MM MM ,M' Ybe'  
( ) ( ) ( ) ( ) ( ) ( ) `Mb. ,pm9MM MM 8M""""""~`  
===== `bmmd` `Moo9^Yo..JMML. `Mbmd``  
Welcome To BUBT Cafe Management System Thu May 12 01:59:15 2022  
  
===== version_1.0.0.1  
  
Enter your user name/id:admin  
  
Enter your old password:jujuburi  
  
Enter your new password:
```

```

      u  |---| u  |---| u  |---| u  |---| .88""'bgd          ,-----  
      v  |v v u |v |v | u  |---| v  |---| .dP""'M           .di""  
      V  |D | << |D | << |D | << |D | << | dM' "M            dm"  
      V  |D | << |D | << |D | << |D | << | u / |U MM         S) ,6""Yb.   m/VNnm    ,gP""Va.  
      V  |D | << |D | << |D | << |D | << | Mm         ) MM MM     ,M' Ybe'  
      V  |D | << |D | << |D | << |D | << | MM.        ,pm9MM MM    BM ""-----  
      V  |D | << |D | << |D | << |D | << | Mb.         , BM MM MM    YM. ,,"  
      -----bmmd-----Moog-Yo.,NMH.. "bmmmd"  
Welcome To BUBT CaFe Management System                               Thu May 12 02:04:13 2022  
  
===== version 1.0.0.1  
with BUBT cafe management system, our canteen and mess menu online can be set up and the student's can easily place order.  
also with a food menu online, tracking the orders is done easily, it maintain student's database and improve the food delivery service.  
"BUBT CAFE" developed with various type of features . We provides good services for our customer and wanted to make it easier for the users.  
Our menu offers something for everybody.All foods item that we services thats material was very good and hygienic.The most interesting part are stable,raw product which we used,  
customers are already accepts it very positively.
```

Mustahidul Islam Ferdous
Sidratul Muntaha Meem
Fakrul Islam Rafsan

CHAPTER 4

SOURCE CODE

```
//-----Declaring header files-----

#include<stdio.h>
#include<stdlib.h>
#include<string.h>
#include<conio.h>
#include<windows.h>
#include<time.h>

//-----STRUCTURE: Creating new data type-----

//users information
typedef struct registrationlist {
    unsigned long int serial_num;
    char id[13];
    char pass[30];
    char uname[30];
    char mail[30];
    char phone[12];
    int status;
} regls;

//foods information
typedef struct foodlist {
    int serial;
    int price;
    int quantity;
    int available;
    char fname[100];
    char type[40];
} foody;

//-----Declaring User defined function segment-----

// string returning functions.....
char* fetchtime();

// int value returning fuction.....
int Admin();
int gpuUSER(char id[]);
int gpuFOOD_ITEM(char id[]);
int reg_progress(char id[]);
int reg_available(char id[]);
int adminLOGIN(char username[],char pass[]);
int login(char id[],char pass[]);
```

```

// all void functions.....
void clear();
void Color(int ForgC);
void gpuBUBT();
void gpuHoption();
void exeHOME();
void gpuType(char ch[],int speed);
void gpuLOGin();
void gpuIDSEARCH();
void gpuNotice();
void noticeRead();
void contact();
void aboutUS();
void gpuDev();
void devnames();
void gpuExit();
void Endexe();
void gpuTEXT();
void search_user(char id[]);
void gpuORDERHISTORY(char id[]);
void reportPROBLEM(char id[]);
void readREPORT();
void setting();

//-----Defining CONSTANT variables-----

#define vanish 0
#define red 20
#define cyan 11
#define green 26
#define orange 28
#define blue 1
#define purple 29
#define yellow 22
#define ash 24
#define silver 7
#define white 15

//-----Main Function-----

int main()
{
    //this command will set the console resulation size.....
    //to use this please uncomment.....
    //system("mode con:cols=160 lines=3000");

    int counter=0;
    char xyz[100];
    regls ls_l[10000];
    int option_home=0;
    position_l:

```



```

        goto position_1;
    } else if(option_home==5) {
        contact();
        goto position_1;
    } else if(option_home==6) {
        setting();
        clear();
        goto position_1;
    } else if(option_home==7) {
        clear();
        gpuBUBT();
        aboutUS();
    } else if(option_home==8) {
        clear();
        gpuDev();
        devnames();
        getch();
        clear();
        goto position_1;
    } else if(option_home==9) {

        option_home=0;
        gpuExit();
        scanf("%d",&option_home);
        if(option_home==1) {
            Endexe();
        } else if(option_home==2) {
            clear();
            goto position_1;
        }
    } else {
        system("cls");
        goto position_1;
    }

    return 0;
}

```

```

char* fetchtime() {
    time_t current_time;
    char* c_time_string;

    /* Obtain current time. */
    current_time = time(NULL);

    if (current_time == ((time_t)-1)) {
        (void) fprintf(stderr, "Failure to obtain the current time.\n");
        exit(EXIT_FAILURE);
    }

    /* Convert to local time format. */

```

```

    c_time_string = ctime(&current_time);

    if (c_time_string == NULL) {
        (void) fprintf(stderr, "Failure to convert the current time.\n");
        exit(EXIT_FAILURE);
    }
    return c_time_string;
}

int Admin() {
    retry:
        clear();
        gpuBUBT();
        printf("\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n");
        Color(green);
        gpuLOGin();
        char username[50], pass[55];

        printf("\n\t\t\t\t\tEnter user name:");
        scanf("%s", username);
        printf("\n\t\t\t\t\tEnter password:");
        scanf("%s", pass);
        int varify=adminLOGin(username, pass);
        if(varify==1) {
            ff:
                clear();
                gpuBUBT();
                Color(silver);
                printf("\n\t\t\t\t\t1.Order request");
                printf("\n\t\t\t\t\t2.Registration request");
                printf("\n\t\t\t\t\t3.Search ID");
                printf("\n\t\t\t\t\t4.Publish notice");
                printf("\n\t\t\t\t\t5.Publish about BUBT Cafe Management System");
                printf("\n\t\t\t\t\t6.Report Box");
                printf("\n\t\t\t\t\t7.LogOUT");
                int FF=0;
                Color(red);
                printf("\n\t\t\t\t\tSelect option:");
                scanf("%d", &FF);
                if(FF==1) {
                    clear();
                    gpuBUBT();
                    int i=0;
                    regls user[1000];
                    foody food[1000];
                    int quantity[1000];
                    int totalprice[1000];
                    char read[500];
                    FILE *fp=fopen("order_list.txt", "r");
                    if(fp==NULL) {
                        printf("\n\t\t\t\t\tFile:order_list.txt is missing!");
                    }
                    while(!feof(fp)) {
                        if(fgets(read, 1000, fp)==NULL) {

```

```

        break;
    }
    sscanf(read, "%s %s %d %d %d", user[i].id, food[i].fname, &quantity[i], &food[i].price, &totalprice[i]);
    i++;
}
fclose(fp);
for(int j=0; j<i; j++) {
    printf("\n\t\t\t\t\t%s %s %d %d %d", user[j].id, food[j].fname, quantity[j], food[j].price, totalprice[j]);
}
getch();
goto ff;
} else if (FF==2) {
    regls user[1000];
    char read[1000];
    clear();
    gpuBUBT();
    int p=0;
    FILE *regis=fopen("registration_list.txt", "r");
    if(regis==NULL) {
        printf("\n\t\t\t\t\tFile:registration_list.txt is missing!");
    }
    while(!feof(regis)) {
        if(fgets(read, 1000, regis)==NULL) {
            break;
        }
        sscanf(read, "%s %s %s %s %s %d", user[p].id, user[p].uname, user[p].pass, user[p].mail, user[p].phone, &user[p].status);
        p++;
    }
    fclose(regis);
    int start, end;
    char confirm;
    int total_select;
    for(int q=0; q<p; q++) {
        printf("\n%d. %s %s %s %s %s %d", q+1, user[q].id, user[q].uname, user[q].pass, user[q].mail, user[q].phone, user[q].status);
    }
there:
    printf("\n\n\nSelect start index for accept:");
    scanf("%d", &start);
    printf("\n\n\nSelect end index for accept:");
    scanf("%d", &end);
    printf("\n\n\nAre you sure to accept following requests:");
    start=start-1;
    total_select=0;
    for(int n=start; n<end; n++) {
        total_select++;
        printf("\n%d. %s %s %s %s %s %d", n+1, user[n].id, user[n].uname, user[n].pass, user[n].mail, user[n].phone, user[n].status);
    }
    printf("\n\n\n Confirm request(y/n):");
    scanf("%c", &confirm);
    scanf("%c", &confirm);
    if(confirm=='y' || confirm=='Y') {
        FILE *cus=fopen("customer_info.txt", "a");
        if(cus==NULL) {
            printf("\n\t\t\t\t\tFile:customer_info.txt is missing!");
        }
        fprintf(cus, "\n%s %s %s %s %s %d", user[m].id, user[m].uname, user[m].pass, user[m].mail, user[m].phone, 1);
        gpuType("Request accepted...", 50);
        fclose(cus);
    } else {
        goto there;
    }
    getch();
    goto ff;
} else if (FF==3) {
    gpuIDSEARCH();
    goto ff;
} else if (FF==4) {
    clear();
    gpuBUBT();
    char notice[3000];
    printf("%s", fetchtime());
    printf("Write notice:");
    gets(notice);
    gets(notice);
    printf("\n\nPress enter to Publish.");
    getch();
    FILE *noticepublish=fopen("notice.txt", "a");
    if(noticepublish==NULL) {
        printf("\n\t\t\t\t\tFile:notice.txt is missing!");
    }
}

```

```

        fprintf(noticepublish,notice);
        fclose(noticepublish);
        gpuType("Notice published successfully..",10);
        getch();
        goto ff;
    } else if(FF==5) {
        clear();
        gpuBUBT();
        char AU[3000];
        printf("%s",fetchtime());
        printf("Write About BUBT Cafe Management System:");
        gets(AU);
        gets(AU);
        printf("\n\nPress enter to Publish.");
        getch();
        FILE *publishAU=fopen("about_Us.txt","a");
        if(publishAU==NULL) {
            printf("\n\t\t\t\t\tFile:about_Us.txt is missing!");
        }
        fprintf(publishAU,AU);
        fclose(publishAU);
        gpuType("Description published successfully..",10);
        getch();
        goto ff;
    } else if(FF==6) {
        clear();
        gpuBUBT();
        readREPORT();
        getch();
    }

    else if(FF==7) {
        return 7;
    }
    } else {
        goto retry;
    }
}

```

```

int gpuUSER(char id[]) {
    clear();
    gpuBUBT();
    Color(white);
    printf("\n\n\n\n\n\t\t\t\t\t1. FOOD CORNER-->");
    printf("\n\t\t\t\t\t2. Order History-->");
    printf("\n\t\t\t\t\t3. Report a problem-->");
    printf("\n\t\t\t\t\t4. Log Out-->\n\n\n");
    int option;
    Color(cyan);
    printf("\n\t\t\t\t\tSelect option:");
    scanf("%d",&option);
}

```

```

    return option;
}

int gpuFOOD_ITEM(char id[]) {
    char read[1000];
    int i=0;
    foody f[100];
    int unit,cost,confirmation=0;
    int type;
    int item=0,opt=0;
    int val=0;
    FILE *fp=fopen("product_list.txt","r");
    if(fp==NULL) {
        printf("\n\t\t\t\t\tFile:product_list.txt is missing!");
    }
    while(!feof(fp)) {
        if(fgets(read,1000,fp)==NULL) {
            break;
        }
        sscanf(read,"%d %s %s %d %d",&f[i].serial,f[i].fname,f[i].type,&f[i].price,&f[i].available);
        i++;
    }
    fclose(fp);

back:
    clear();
    gpuBUBI();
    Color(white);
    printf("\n\n\n\t\t\t\t\tDrinks & Beverages-->");
    printf("\n\n\t\t\t\t\t2. Fast Food-->");
    printf("\n\n\t\t\t\t\t3. Sweets & Desserts-->");
    printf("\n\n\t\t\t\t\t4. Meaty-->");
    printf("\n\n\t\t\t\t\t5. Ricey-->");
    Color(blue);
    printf("\n\n\n\t\t\t\t\tSelect item type:");
    scanf("%d",&type);
    clear();
    gpuBUBI();
    Color(white);
    if(type==1) {
        for(int j=0; j<=i; j++) {
            if(strcmp(f[j].type,"DRINKS & BEVERAGE")==0) {
                printf("\n\n\t\t\t\t\tFOOD_SN#%d NAME:%s PRICE:%d TOTAL AVAILABLE:%d",f[j].serial,f[j].fname,f[j].price,f[j].available);
            }
        }
    }
    else if(type==2) {
        for(int j=0; j<=i; j++) {
            if(strcmp(f[j].type,"FAST_FOOD")==0) {
                printf("\n\n\t\t\t\t\tFOOD_SN#%d %s Price:%d TK Available:%d",f[j].serial,f[j].fname,f[j].price,f[j].available);
            }
        }
    }
    else if(type==3) {
        for(int j=0; j<=i; j++) {
            if(strcmp(f[j].type,"SWEETS & DESSERTS")==0) {
                printf("\n\n\t\t\t\t\tFOOD_SN#%d %s Price:%d TK Available:%d",f[j].serial,f[j].fname,f[j].price,f[j].available);
            }
        }
    }
    else if(type==4) {
        for(int j=0; j<=i; j++) {
            if(strcmp(f[j].type,"MEAT")==0) {
                printf("\n\n\t\t\t\t\tFOOD_SN#%d %s Price:%d TK Available:%d",f[j].serial,f[j].fname,f[j].price,f[j].available);
            }
        }
    }
    else if(type==5) {
        for(int j=0; j<=i; j++) {
            if(strcmp(f[j].type,"RICEY")==0) {
                printf("\n\n\t\t\t\t\tFOOD_SN#%d %s Price:%d TK Available:%d",f[j].serial,f[j].fname,f[j].price,f[j].available);
            }
        }
    }

    printf("\n\n\n\t\t\t\t\tOrder Food");
    printf("\n\n\t\t\t\t\t2.Go back");
    printf("\n\n\t\t\t\t\t3.Go Home");
    Color(cyan);
    printf("\n\n\t\t\t\t\tSelect option:");
    scanf("%d",&opt);
    Color(white);
    if(opt==1) {
retry:
        Color(cyan);
        printf("\n\n\t\t\t\t\tOrder Food #serial_number:");
        scanf("%d",&item);

        for(int j=0; j<=i; j++) {
            if(item==f[j].serial) {
                Color(white);
                printf("\n\n\t\t\t\t\tYou ask for %s",f[j].fname);
                val=j;
            }
        }

        Color(white);
        printf("\n\n\n\t\t\t\t\tHow much unit do you want to order?:");
        scanf("%d",&unit);
        cost=unit*f[val].price;
        printf("\n\n\n\t\t\t\t\tHave a look please:\n\t\t\t\t\t%5dunit X %d tk ==total %d tk\n\n\n\t\t\t\t\tPlace order\n\t\t\t\t\t2.No, Retry\n\n\t\t\t\t\t",f[val].fname,unit,f[val].price,cost);
        scanf("%d",&confirmation);
    }
}

```



```

int reg_available(char id[]) {
    regls data[1000];
    char read[1000];
    int i=0,ret=1;
    FILE *varified_file=fopen("customer_info.txt","r");
    if(varified_file==NULL) {
        printf("\n\t\t\t\t\tFile:registration_list.txt is missing!");
    }
    while(!feof(varified_file)) {
        if(fgets(read,1000,varified_file)==NULL) {
            break;
        }
        sscanf(read,"%s %s %s %s %s %d",data[i].id,data[i].uname,data[i].pass,data[i].mail,data[i].phone,&data[i].status);
        i++;
    }
    fclose(varified_file);
    for(int j=0; j<=i; j++) {
        if(strcmp(id,data[j].id)==0) {
            ret=0;
        }
    }
    return ret;
}

int adminLOGIN(char username[],char pass[]) {
    clear();
    gpuLOGIN();
    regls admin[1000];
    char read[1000];
    int i=0,ret=0;
    FILE *admn=fopen("admin_login.txt","r");
    if(admn==NULL) {
        printf("\n\t\t\t\t\tFile:admin_login.txt is missing!");
    }
}

void search_user(char id[]) {
    regls data[1000];
    char read[1000];
    int i=0,flag=0;
    FILE *search=fopen("customer_info.txt","r");
    if(search==NULL) {
        printf("\n\t\t\t\t\tFile:customer_info.txt is missing!");
    }
    while(!feof(search)) {
        if(fgets(read,1000,search)==NULL) {
            break;
        }
        sscanf(read,"%s %s %s %s %s %d",data[i].id,data[i].uname,data[i].pass,data[i].mail,data[i].phone,&data[i].status);
        i++;
    }
    fclose(search);
    for(int j=0; j<=i; j++) {
        if(strcmp(id,data[j].id)==0) {
            printf("\n\n\t\t\t\t\tUsername: %s\n\n\t\t\t\t\tMail: %s\n\n\t\t\t\t\tPhone: %s\n\n\t\t\t\t\tAccount status: %d",data[j].uname,data[j].mail,data[j].phone,data[j].status);
            flag=1;
        }
    }
    if(flag==0) {
        printf("ID not found!!!");
    }
}

int reg_prograss(char id[]) {
    regls data[1000];
    char read[1000];
    int i=0,ret=0;
    FILE *regfile=fopen("registration_list.txt","r");
    if(regfile==NULL) {
        printf("\n\t\t\t\t\tFile:registration_list.txt is missing!");
    }
    while(!feof(regfile)) {
        if(fgets(read,1000,regfile)==NULL) {
            break;
        }
        sscanf(read,"%s %s %s %s %s %d",data[i].id,data[i].uname,data[i].pass,data[i].mail,data[i].phone,&data[i].status);
        i++;
    }
    fclose(regfile);
    for(int j=0; j<=i; j++) {
        if(strcmp(id,data[j].id)==0) {
            ret=1;
        }
    }
    return ret;
}

```

```

int reg_available(char id[]) {
    regls data[1000];
    char read[1000];
    int i=0,ret=1;
    FILE *varified_file=fopen("customer_info.txt","r");
    if(varified_file==NULL) {
        printf("\n\t\t\t\t\tFile:registration_list.txt is missing!");
    }
    while(!feof(varified_file)) {
        if(fgets(read,1000,varified_file)==NULL) {
            break;
        }
        sscanf(read,"%s %s %s %s %s %s %d",data[i].id,data[i].uname,data[i].pass,data[i].mail,data[i].phone,&data[i].status);
        i++;
    }
    fclose(varified_file);
    for(int j=0; j<=i; j++) {
        if(strcmp(id,data[j].id)==0) {
            ret=0;
        }
    }
    return ret;
}

int adminLOGin(char username[],char pass[]) {
    clear();
    gpuLOGin();
    regls admin[1000];
    char read[1000];
    int i=0,ret=0;
    FILE *admn=fopen("admin_login.txt","r");
    if(admn==NULL) {
        printf("\n\t\t\t\t\tFile:admin_login.txt is missing!");
    }

    while(!feof(admn)) {
        if(fgets(read,1000,admn)==NULL) {
            break;
        }
        sscanf(read,"%s %s",admin[i].uname,admin[i].pass);
        i++;
    }
    fclose(admn);
    for(int j=0; j<=i; j++) {
        if(strcmp(username,admin[j].uname)==0&&strcmp(pass,admin[j].pass)==0)
            ret=1;
    }
    return ret;
}

int login(char id[],char pass[]) {
    regls data[1000];
    char read[1000];
    int i=0,ret=0;
    FILE *log=fopen("customer_info.txt","r");
    if(log==NULL) {
        printf("\n\t\t\t\t\tFile:customer_info.txt is missing!");
    }
    while(!feof(log)) {
        if(fgets(read,1000,log)==NULL) {
            break;
        }
        sscanf(read,"%s %s %s %s %s %s %d",data[i].id,data[i].uname,data[i].pass,data[i].mail,data[i].phone,&data[i].status);
        i++;
    }
    fclose(log);
    for(int j=0; j<=i; j++) {
        if(strcmp(id,data[j].id)==0&&strcmp(pass,data[j].pass)==0) {
            ret=1;
        }
    }
    return ret;
}

```

```

void gpuORDERHISTORY(char id[]) {
    char read[1000];
    int i=0;
    foody f[1000];
    regls user[1000];
    int total[1000];
    FILE *fd=fopen("order_list.txt","r");
    if(fd==NULL) {
        printf("\n\n\t\t\t\t\tFile:order_list.txt is missing!");
    }
    while(!feof(fd)) {
        if(fgets(read,1000,fd)==NULL) {
            break;
        }
        sscanf(read,"%s %s %d %d %d",user[i].id,f[i].fname,&f[i].quantity,&f[i].price,&total[i]);
        i++;
    }
    fclose(fd);
    int l=0,sum=0;
    clear();
    gpuBUBT();
    for(int j=0; j<=i; j++) {
        if(strcmp(id,user[j].id)==0) {
            l++;
            printf("\n\n\t\t\t\t\tOrder NO-%d : %s %dunit %dTaka",l,f[j].fname,f[j].quantity,total[j]);
            sum=sum+total[j];
        }
    }
    if(l>0)
        printf("\n\n\t\t\t\t\tYou have placed total %d orders.That costs around %d Taka!",l,sum);
    else
        printf("\n\n\t\t\t\t\tNo order history found!!!");
    getch();
}

void reportPROBLEM(char id[]) {
    char report[200];
    printf("\n\n\t\t\t\t\tWrite your issues:");
    gets(report);
    gets(report);
    FILE *order=fopen("report.txt","a");
    fprintf(order,"%s %s %s",id,report,fetchtime());
    fclose(order);
    gpuType("\n\n\t\t\t\t\tReport recorded!!! We'll contact with you soon...",20);
}

void readREPORT() {
    char read[300];
    FILE *details=fopen("report.txt","r");
    if(details==NULL) {
        printf("File:report.txt not found!!!");
    }
    while(!feof(details)) {
        if(fgets(read,1000,details)==NULL) {
            break;
        }
        Color(ash);
        gpuType(read,50);
    }
    fclose(details);
}

```

```

void setting() {
    clear();
    gpuBUBT();
    char read[1000], name[100], oldpass[55];
    char username[100];
    char pass[55];
    printf("\n\t\t\t\t\tEnter your user name/id:");
    scanf("%s", name);
    printf("\n\t\t\t\t\tEnter your old password:");
    scanf("%s", oldpass);
    int i=0;
    FILE *set=fopen("admin_login.txt", "r");
    if(set==NULL) {
        printf("\n\t\t\t\t\tFile:admin_login.txt is missing!");
    }
    while(!feof(set)) {
        if(fgets(read, 1000, set)==NULL) {
            break;
        }
        sscanf(read, "%s %s", username, pass);
        i++;
    }
    fclose(set);
    if(strcmp(name, username)==0&&strcmp(pass, oldpass)==0) {
        printf("\n\t\t\t\t\tEnter your new password:");
        scanf("%s", oldpass);
        FILE *sett=fopen("admin_login.txt", "w");
        fprintf(sett, "%s %s", username, oldpass);
        fclose(sett);
        gpuType("\n\t\t\t\t\tPassword changed successfully!", 1);
        getch();
    } else {
        gpuType("\n\t\t\t\t\tInvalid Password!!!", 1);
        getch();
    }
}

```

CHAPTER 5

CONCLUSION

An easy-to-use Café management system allows you to run your establishment like a well-oiled machine. It will enable you to track your cash flow, monitor your inventory, and manage your employees. Simply put, an CMS can help you develop a robust and streamlined workflow for your restaurant. Hence, you can serve your customers better while protecting your business's bottom line. When you consider these features, it will be easy for you to choose a system that will suit your Café's needs.

CHAPTER 6

FUTURE PLAN

6.1 Description:

This project was developed under time constraints of 4 months. Therefore, the proposed features specified in the requirements were what the developer thought to be realistic targets. However, if more time became available the following could be implemented:

6.2 Future Scope:

- Employee Scheduling
- Payroll and Accounting Service
- Quick Loyalty and Reward Implementation
- Cloud-based or Online Management