

[illegible]

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printf("\n>>>>>>>>>>>>>>>\tTo CHECKOUT room number of existing guest --> 6
<<<<<<<<<<<<<<<\n");
printf(">> ");
scanf("%d",&b);
switch(b){
case 1:{
view_bookings();
break;
}
case 2:{
FILE* fpi;
fpi = fopen("hotelnew.txt","r");
while(fscanf(fpi,"%s %s %s",h.name,h.room,h.wifi) != -1){
fgets(h.bf, 255, (FILE*)fpi);
printf("%s %s %s %s \n",h.name,h.room,h.wifi,h.bf);
}
break;
}
case 3:{
enter_name();
break;
}
case 4:{
find_name();
break;
}
case 5:{
find_room();
break;
}
case 6:{
checkout_guest();
break;
}
default:{
printf("\n Wrong entry!");
}
}
//enter again?
printf("Would you like to continue? (y/n)\n");
scanf("%s",admin_entry);
}
if(strcmp(admin_entry,"n") == 0){
printf("Exiting...\n");
printf("\e[1;1H\e[2J");
printf("\n >Exited<\n\n");
//system("clear");
return 0;
}
else{
printf("Wrong entry!\nExiting...\n");
return 0;
}
break;
}
case 2:{
while(user_entry[0] == 'y'){
printf("\nHello user and welcome to Hotel!");

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printf("\n>>>>>>>>>>>>>>>>\tTo view available rooms --> 1
\t\t\t<<<<<<<<<<<<<<<<");
printf("\n>>>>>>>>>>>>>>>>\tTo request booking of room --> 2
\t<<<<<<<<<<<<<<<<");
printf("\n>> ");
scanf("%d",&c);
switch(c){
case 1:{
FILE* view;
view = fopen("rooms.txt","r");
printf("Available rooms are:\n");
while(fscanf(view,"%s",h.room) != -1){
printf("%s \n",h.room);
}
fclose(view);
break;
}
case 2:{
printf("Enter your name: ");
scanf("%s",h.name);
printf("Enter room to book: ");
scanf("%s",h.room);
printf("Enter WiFi plan (1GB/5GB): ");
scanf("%s",h.wifi);
printf("Enter if bf (yes/no): ");
scanf("%s",h.bf);
enter = fopen("bookings.txt","a");
fprintf(enter,"%s %s %s %s",h.name,h.room,h.wifi,h.bf);
fprintf(enter,"\n");
printf("Succesfully requested booking\n");
fclose(enter);
}
}
printf("Would you like to continue? (y/n)\n");
scanf("%s",user_entry);
}
if(strcmp(user_entry,"n") == 0){
printf("Exiting...\n");
printf("\e[1;1H\e[2J");
printf("\n >Exited<\n\n");
//system("clear");
return 0;
}
else{
printf("Wrong entry!\nExiting...\n");
return 0;
}
break;
}
}
}
//method declare to enter name
void enter_name(){
FILE *tmp1;
FILE *tmp2;
printf("\nEnter guest name --> ");
scanf("%s",h.name);
printf("\nEnter their room number --> ");

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scanf("%s",h.room);
printf("\n Enter wifi plan (1GB/5GB) --> ");
scanf("%s",h.wifi);
printf("\nEnter if breakfast is included --> ");
scanf("%s",h.bf);
//entering guests
fp = fopen("hotelnew.txt","a");
if( fp == NULL){
printf("\nFile not found");
exit(1);
}
else{
fprintf(fp,"%s %s %s %s",h.name,h.room,h.wifi,h.bf);
printf("\nDone\n");
}
fprintf(fp,"\n");
//
char remove_guest[20];
strcpy(remove_guest,h.name);
char remove_room[20];
strcpy(remove_room,h.room);
//removing booking
tmp1 = fopen("tmp1.txt","a");
enter = fopen("bookings.txt","r");
while(fscanf(enter,"%s %s %s",h.name,h.room,h.wifi) != -1){
fgetc(enter);
fgets(h.bf, 20, (FILE*)enter);
if(strcmp(h.name,remove_guest) != 0){
fprintf(tmp1,"%s %s %s %s",h.name,h.room,h.wifi,h.bf);
}
}
fclose(enter);
fclose(tmp1);
remove("bookings.txt");
rename("tmp1.txt","bookings.txt");
fclose(fp);
//removing room
tmp2 = fopen("tmp2.txt","a");
view = fopen("rooms.txt","r");
while(fscanf(view,"%s",h.room) != -1){
if(strcmp(h.room,remove_room) != 0){
fprintf(tmp2,"%s",h.room);
fprintf(tmp2,"\n");
}
}
fclose(view);
fclose(tmp2);
remove("rooms.txt");
rename("tmp2.txt","rooms.txt");
fclose(fp);
}
//method defined to find quest name
void find_name(){
char buffer[20];
char entered_name[20];
int guestFound =0;
printf("\nEnter guest name to find -->");
scanf("%s",entered_name);

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fp = fopen("hotelnew.txt","r");
while(fscanf(fp,"%s %s %s",h.name,h.room,h.wifi) != -1){
fgets(h.bf, 255, (FILE*)fp);
if(strcmp(h.name,entered_name) == 0){
guestFound = 1;
printf("\n Guest found!");
printf("\n Name is %s",h.name);
printf("\n Room number is %s",h.room);
printf("\n WiFi plan is %s",h.wifi);
printf("\n Breakfast included %s",h.bf);
}
}
if(guestFound == 0){
printf("\nGuest %s not found!\n", entered_name);
}
fclose(fp);
}
//method definition for guest checkout
void checkout_guest(){
char buffer2[20];
char checkout_name[20];
char add_room[20];
FILE *tmp;
printf("Enter guest too checkout ");
scanf("%s",checkout_name);
fp = fopen("hotelnew.txt","r");
tmp = fopen("tmp.txt","w");
if(fp == NULL){
printf("File not found");
exit(1);
}
else{
while(fscanf(fp,"%s %s %s",h.name,h.room,h.wifi) != -1){
fgetc(fp);
fgets(h.bf, 20, (FILE*)fp);
if(strcmp(h.name,checkout_name) != 0){
fprintf(tmp,"%s %s %s %s",h.name,h.room,h.wifi,h.bf);
}
else{
strcpy(add_room,h.room);
}
}
printf("Room checked out!");
}
fclose(fp);
fclose(tmp);
remove("hotelnew.txt");
rename("tmp.txt","hotelnew.txt");
//enter room back into available rooms list
view = fopen("rooms.txt","a");
printf(" add is %s",add_room);
fprintf(view,"%s",add_room);
fclose(view);
}
//method definition for finding rooms available
void find_room(){
char buffer[20];
char entered_room[20];

```

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int roomFound =0;
FILE *fp;
printf("\nEnter room number to find -->");
scanf("%s",entered_room);
fp = fopen("hotelnew.txt","r");
while(fscanf(fp,"%s %s %s",h.name,h.room,h.wifi) != -1){
fgets(h.bf, 255, (FILE*)fp);
if(strcmp(h.room,entered_room) == 0){
roomFound = 1;
printf("\n Room found!");
printf("\n Name is %s",h.name);
printf("\n Room number is %s",h.room);
printf("WiFi plan is %s",h.wifi);
printf("\n Breakfast included %s",h.bf);
}
}
if(roomFound == 0){
printf("\nRoom %s not found!\n", entered_room);
}
fclose(fp);
}
//method defined to view bookings
void view_bookings(){
enter = fopen("bookings.txt","r");
while(fscanf(enter,"%s %s %s",h.name,h.room,h.wifi) != -1){
fgets(h.bf, 255, (FILE*)enter);
printf("%s %s %s %s \n",h.name,h.room,h.wifi,h.bf);
}
}
}

```

```

*****
* *
* ----- *
* WELCOME TO HOTEL MUJ *
* ----- *
* *
* *
* *
* *
* HARINI KASTURI *
* RA2111003011649*** *
* SECTION *, EL PROJECT *
*****

>>>>>>>>>> For ADMIN access enter --> 1 <<<<<<<<<<<<
>>>>>>>>>> For USER access enter --> 2 <<<<<<<<<<<<
>> 2

Hello user and welcome to Hotel!
>>>>>>>>>> To view available rooms --> 1 <<<<<<<<<<<<
>>>>>>>>>> To request booking of room --> 2 <<<<<<<<<<<<
>> 2
Enter your name: XXXXX
Enter room to book: 201
Enter WiFi plan (1GB/5GB): 1GB
Enter if bf (yes/no): YES
Succesfully requested booking
Would you like to continue? (y/n)
y

Hello user and welcome to Hotel!
>>>>>>>>>> To view available rooms --> 1 <<<<<<<<<<<<
>>>>>>>>>> To request booking of room --> 2 <<<<<<<<<<<<
>>

```

```
*****
*
* ----- *
* WELCOME TO HOTEL MUJ *
* ----- *
*
*
* HARINI KASTURI *
* RA2111003011649*** *
* SECTION *, EL PROJECT *
*****

>>>>>>>>>> For ADMIN access enter --> 1 <<<<<<<<<<<<
>>>>>>>>>> For USER access enter --> 2 <<<<<<<<<<<<
>> 1

>>>>>>>>>> To VIEW booking requests --> 1 <<<<<<<<<<<<
>>>>>>>>>> To VIEW booked guests details --> 2 <<<<<<<<<<<<
>>>>>>>>>> To ENTER new guest --> 3 <<<<<<<<<<<<
>>>>>>>>>> To FIND room number of existing guest --> 4 <<<<<<<<<<<<
>>>>>>>>>> To FIND guest of occupied room --> 5 <<<<<<<<<<<<
>>>>>>>>>> To CHECKOUT room number of existing guest --> 6 <<<<<<<<<<<<
```

```
>> 3

Enter guest name --> xxxxxxxx

Enter their room number --> 201

Enter wifi plan (1GB/5GB) --> 1GB

Enter if breakfast is included --> Yes

Done
Would you like to continue? (y/n)
y

>>>>>>>>>> To VIEW booking requests --> 1 <<<<<<<<<<<<
>>>>>>>>>> To VIEW booked guests details --> 2 <<<<<<<<<<<<
>>>>>>>>>> To ENTER new guest --> 3 <<<<<<<<<<<<
>>>>>>>>>> To FIND room number of existing guest --> 4 <<<<<<<<<<<<
>>>>>>>>>> To FIND guest of occupied room --> 5 <<<<<<<<<<<<
>>>>>>>>>> To CHECKOUT room number of existing guest --> 6 <<<<<<<<<<<<
>> 4

Enter guest name to find -->xxxxxxx

Guest found!
Name is xxxxxxxx
Room number is 201
WiFi plan is 1GB
Breakfast included Yes
Would you like to continue? (y/n)
y
```

```
>> 5
```

```
Enter room number to find -->201
```

```
Room found!
```

```
Name is xxxxxxxx
```

Room number is 201WiFi plan is 1GB

Would you like to continue? (y/n)

1000

```
>>>>>>>>>> To VIEW booking requests --> 1 <<<<<<<<<<
```

```
>>>>>>>>> To VIEW booked guests details --> 2 <<<<<<<<<<
```

```
>>>>>>>>>> To ENTER new guest --> 3 <<<<<<<<<<<
```

```
>>>>>>>>>> To FIND room number of existing guest --> 4 <<<<<<<<<<
```

```
>>>>>>>>> To FIND guest of occupied room --> 5 <<<<<<<<<<
```

```
>>>>>>>>>> To CHECKOUT room number of existing guest --> 6 <<<<<<<<<<
```

>> 6

Enter guest too checkout 201

```
Room checked out! add is 12
Would you like to continue? (y/n)
```