#include<stdio.h>

#include<stdlib.h>

struct book

{

char code[20];

char name[20];

char date[20];

char language[20];

int cost;

}b;

int seat = 60 ;

void insert\_details();

void viewAll();

void find();

void book\_ticket();

void old\_record();

void main()

{

int ch;

do{

printf("\n");

printf("\n");

printf("\t Movie Ticket booking ");

printf("\n");

printf("\n");

printf("\nPress <1> Insert Movie");

printf("\nPress <2> View All Movie");

printf("\nPress <3> Find Movie ");

printf("\nPress <4> Book Ticket");

printf("\nPress <5> View All Transactions");

printf("\nPress <0> Exit ");

printf("\nEnter your Choice ::");

scanf("%d",&ch);

switch (ch)

{

case 1 :

insert\_details();

break;

case 2:

viewAll();

break;

case 3:

find();

break;

case 4:

book\_ticket();

break;

case 5:

old\_record();

break;

case 0:

exit(0);

break;

default:

printf("Wrong choice !");

break;

}

}while(ch!=0);

}

void insert\_details()

{

FILE \*fp;

struct book b;

printf("Enter movie code :- ");

scanf("%s",b.code);

printf("Enter name :- ");

scanf("%s",b.name);

printf("Enter Release Date:- ");

scanf("%s",b.date);

printf("\nEnter movie language:-");

scanf("%s",b.language);

printf("\nEnter Ticket Price:- ");

scanf("%d",&b.cost);

fp=fopen("data.txt","a");

if(fp == NULL)

{

printf("FIle not Found");

}

else

{

fprintf(fp,"%s %s %s %d %s \n",b.code,b.name,b.date,b.cost,b.language);

printf("Record insert Successful");

}

printf("\n");

fclose(fp);

}

void find()

{

struct book b;

FILE \*fp;

char ch[20];

printf("Enter movie code :");

scanf("%s",ch);

fp = fopen("data.txt","r");

if(fp == NULL)

{

printf("file does not found !");

exit(1);

}

else

{

while(getc(fp) != EOF)

{

fscanf(fp,"%s %s %s %d %s",b.code,b.name,b.date,&b.cost,b.language);

if(strcmp(b.code,ch) == 0)

{

printf("\n Record Found\n");

printf("\n\t\tCode ::%s",b.code);

printf("\n\t\tmovie name ::%s",b.name);

printf("\n\t\tmovie date ::%s",b.date);

printf("\n\t\tprice of ticket ::%d",b.cost);

printf("\n\t\tMovie language::%s",b.language);

break;

}

}

}

fclose(fp);

}

void viewAll()

{

char ch;

FILE \*fp;

fp = fopen("data.txt","r");

if(fp == NULL)

{

printf("file does not found !");

exit(1);

}

else

{

system("clear");

while( ( ch = fgetc(fp) ) != EOF )

printf("%c",ch);

}

fclose(fp);

}

void book\_ticket()

{

struct book b;

FILE \*fp;

FILE \*ufp;

int total\_seat,mobile,total\_amount;

char name[20];

char ch;

char movie\_code[20];

fp = fopen("data.txt","r");

if(fp == NULL)

{

printf("file does not found !");

exit(1);

}

else

{

system("cls");

while( ( ch = fgetc(fp) ) != EOF )

printf("%c",ch);

}

fclose(fp);

printf("\n For Book ticket Choose Movie(Enter Movie Code First Latter Of Movie)\n");

printf("\n Enter movie code :");

scanf("%s",movie\_code);

//system("clear");

fp = fopen("data.txt","r");

if(fp == NULL)

{

printf("file does not found !");

exit(1);

}

else

{

while(getc(fp) != EOF)

{

fscanf(fp,"%s %s %s %d %s",b.code,b.name,b.date,&b.cost,b.language);

if(strcmp(b.code,movie\_code) == 0)

{

printf("\n Record Found\n");

printf("\n\t\tCode ::%s",b.code);

printf("\n\t\tMovie name ::%s",b.name);

printf("\n\t\tdate name ::%s",b.date);

printf("\n\t\tPrice of ticket::%d",b.cost);

printf("\n\t\tMovie language::%s",b.language);

}

}

}

printf("\n\* Fill Details \*");

printf("\n your name :");

scanf("%s",name);

printf("\n mobile number :");

scanf("%d",&mobile);

printf("\n Total number of tickets :");

scanf("%d",&total\_seat);

total\_amount = b.cost \* total\_seat;

printf("\n \* ENJOY MOVIE \*\*\n");

printf("\n\t\tname : %s",name);

printf("\n\t\tmobile Number : %d",mobile);

printf("\n\t\tmovie name : %s",b.name);

printf("\n\t\tmovie language:%s",b.language);

printf("\n\t\tTotal seats : %d",total\_seat);

printf("\n\t\tcost per ticket : %d",b.cost);

printf("\n\t\tTotal Amount : %d",total\_amount);

ufp=fopen("oldTransaction.txt","a");

if(ufp == NULL)

{

printf("FIle not Found");

}

else

{

fprintf(ufp,"%s %d %d %d %s %d %s \n",name,mobile,total\_seat,total\_amount,b.name,b.cost,b.language);

printf("\n Record insert Successful to the old record file");

}

printf("\n");

fclose(ufp);

fclose(fp);

}

void old\_record()

{

char ch;

FILE \*fp;

fp = fopen("oldTransaction.txt","r");

if(fp == NULL)

{

printf("file does not found !");

exit(1);

}

else

{

system("clear");

while( ( ch = fgetc(fp) ) != EOF )

printf("%c",ch);

}

fclose(fp);

}