

# **Silver Screen Informatics**

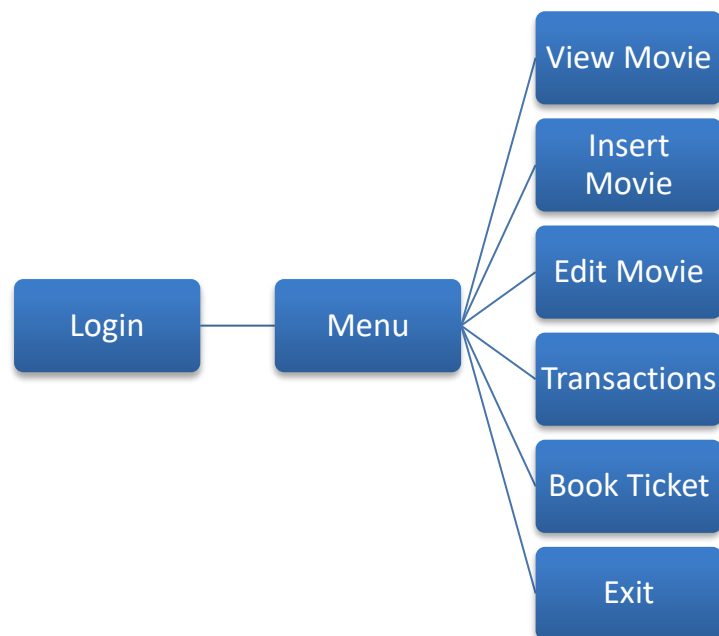
## 1. Introduction:

Silver Screen Informatics is made to help people get access to happenings in the cinema. It tells people about the recent movie on the big screen. While for the management it makes them updated with the ticket status and the transactions record.

## 2. Scope:

Silver Screen Informatics will have a great scope in market perspective. It is designed dynamically which is the basic need of today's market. This program will let a manager to edit, insert, book, and also view all the records.

## 3. Flow Chart



## 4. Hardware/Software Requirements

### 4.1 Tools:

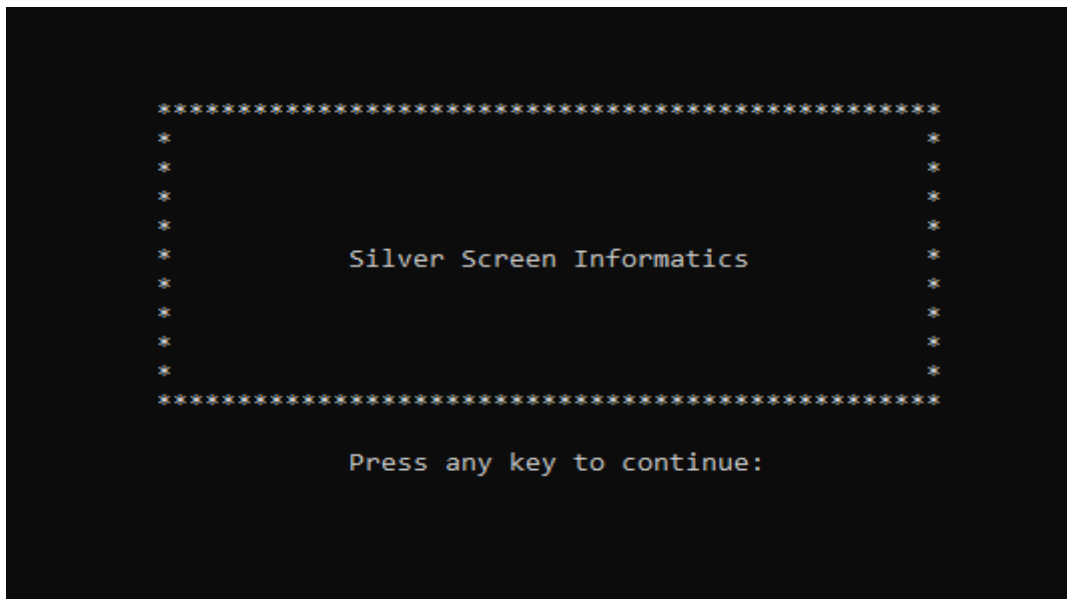
- Dev C++

### 4.2 Libraries, IDE:

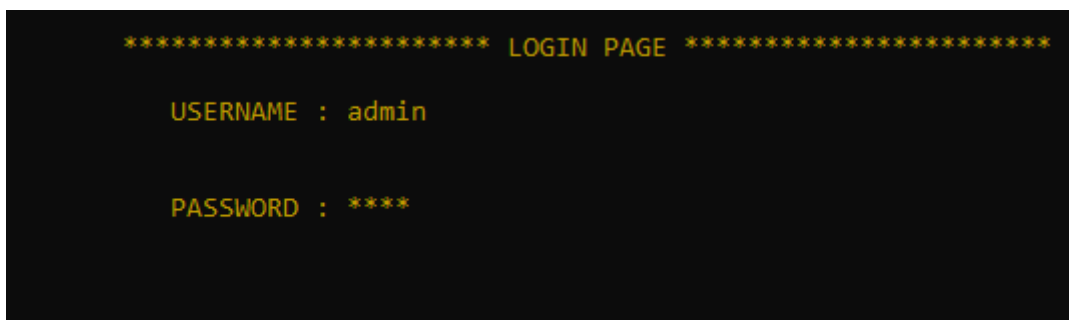
- a. Stdio.h
- b. Conio.h
- c. Stdlib.h
- d. Process.h
- e. Windows.h

## 5. Screen Shots

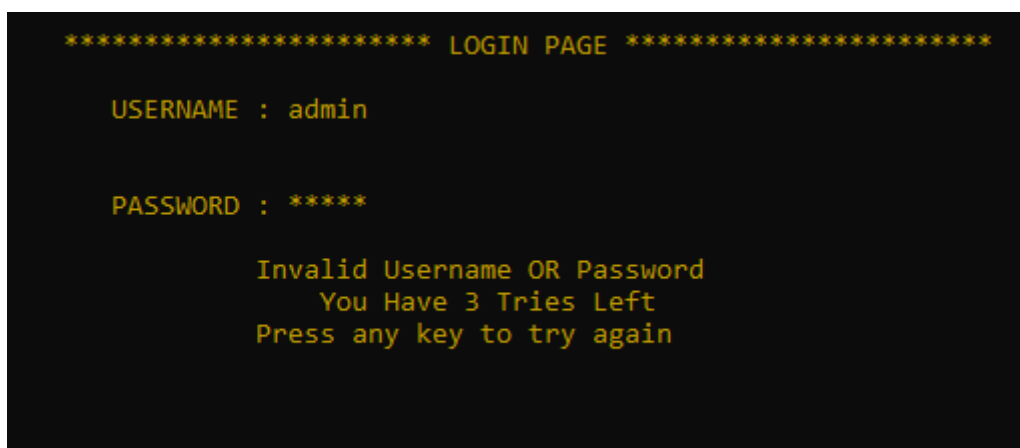
-- Welcome Screen --



-- Login --



. You have 5 tries to enter a password. If you entered incorrect password consecutively then program will terminate.



## -- Menu --

```
Silver Screen Informatics

██████████ WELCOME TO THE MAIN MENU ██████████

1.View Movie
2.Insert Movie
3.Edit Movie
4.View Transactions
5.Book Ticket
6.Log Out

Enter your choice:
```

## -- View Movie --

LIST OF MOVIES :-				
Movie Code	Movie Name	Showtime	Ticket Cost	Tickets
001	ABC	Monday	500	200
002	Waar	Monday	500	200
003	TeefaInTrouble	Thursday	400	120
004	Bol	Friday	500	206
005	Tom	Saturday	400	150

## -- Insert Movie --

```
-----
Enter The Movie Code : 005

Enter Movie Name : Tom

Enter The Showtime : Saturday

Enter The Cost/Ticket : 400

Enter The Total Number of Seats: 150
```

```
You cannot add more movie. Limit is exceeded

Go to the edit movie section in main menu

Press 1 to go to to main menu
Press 2 to exit:
```

*If you have added 5 movies already then, this message will pop up.*

## -- Edit Movie --

LIST OF MOVIES :-				
Movie Code	Movie Name	Showtime	Ticket Cost	Tickets
001	ABC	Monday	500	200
002	Waar	Monday	500	200
003	TeefaInTrouble	Thursday	400	120
004	Bol	Friday	500	206
005	Tom	Saturday	400	150

Enter The Movie Code : 001

RECORD FOUND SUCCESSFULLY

Code : 001  
Movie Name : ABC  
Showtime : Monday  
Cost Per ticket : 500  
Ticket Status : 200

Which thing you want to edit?

- 1) Movie Name
- 2) Ticket Status

Enter your choice: 1

---

Enter Movie Name :

## -- View Transactions --

```
Movie Code : 45
Movie : 34
Cost Per Ticket : 67
Total Tickets : 4
Total Amount : 268

Movie Code : 001
Movie : book
Cost Per Ticket : 400
Total Tickets : 5
Total Amount : 2000
```

## -- Book Tickets --

LIST OF MOVIES :-				
Movie Code	Movie Name	Showtime	Ticket Cost	Tickets
001	HK	Monday	500	200
002	Waar	Monday	500	200
003	TeefaInTrouble	Thursday	400	120
004	Bol	Friday	500	206
005	Tom	Saturday	400	150

Enter The Movie Code : 004

RECORD FOUND SUCCESSFULLY

Code : 004  
Movie Name : Bol  
Showtime : Friday  
Cost Per ticket : 500  
Ticket Status : 206

Total Number of Tickets : 4

Total Amount : 2000

DATA RECORDED SUCCESSFULLY

Do you want to book again? Press Y for Yes and N for No:

Enter Correct Code Number  
Press Any Key To Book Anoter Movie :

*If You Enter Wrong Movie Code While Booking Ticket Above Error Will Pop UP*

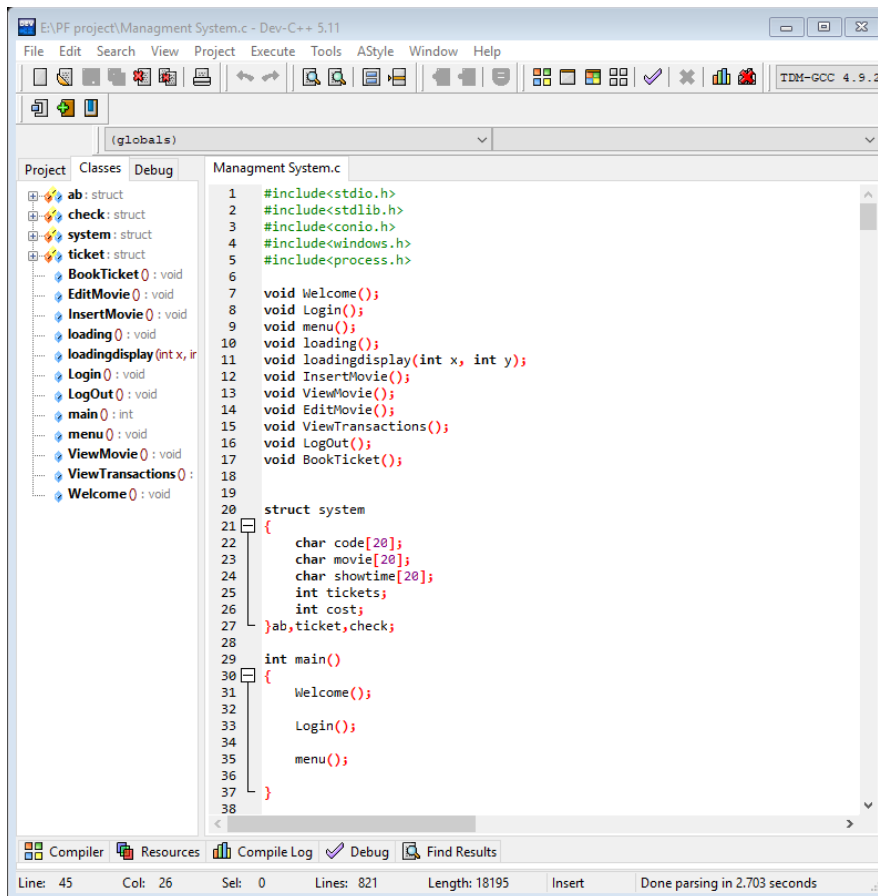
## -- Log out --

```
*****
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*****

LOG Out SUCCESSFUL
THANK-YOU FOR USING OUR PROGRAM

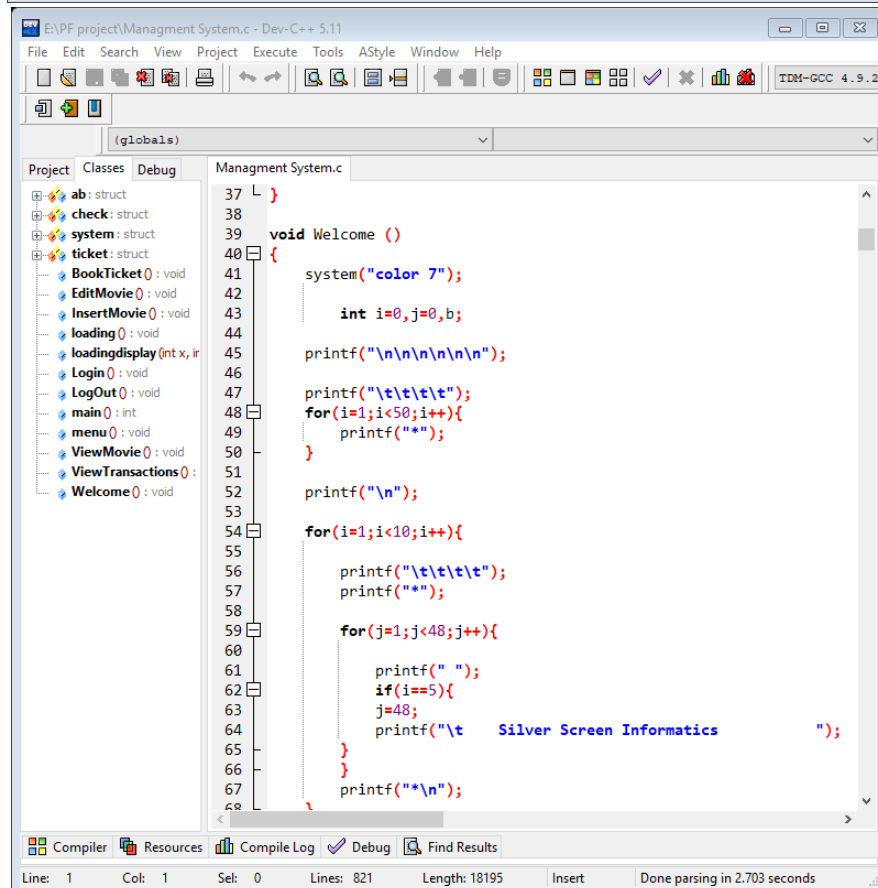
Press any key to Terminate:
```

## 6. Code Screen Shots



```
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<conio.h>
4 #include<windows.h>
5 #include<process.h>
6
7 void Welcome();
8 void Login();
9 void menu();
10 void loading();
11 void loadingdisplay(int x, int y);
12 void InsertMovie();
13 void ViewMovie();
14 void EditMovie();
15 void ViewTransactions();
16 void Logout();
17 void BookTicket();
18
19
20 struct system
21 {
22     char code[20];
23     char movie[20];
24     char showtime[20];
25     int tickets;
26     int cost;
27 }ab,ticket,check;
28
29 int main()
30 {
31     Welcome();
32
33     Login();
34
35     menu();
36
37 }
38
```

Line: 45 Col: 26 Sel: 0 Lines: 821 Length: 18195 Insert Done parsing in 2.703 seconds



```
37 }
38
39 void Welcome ()
40 {
41     system("color 7");
42
43     int i=0,j=0,b;
44
45     printf("\n\n\n\n\n\n\n\n");
46
47     printf("\t\t\t\t\t");
48     for(i=1;i<50;i++){
49         printf("*");
50     }
51
52     printf("\n");
53
54     for(i=1;i<10;i++){
55
56         printf("\t\t\t\t\t");
57         printf("*");
58
59         for(j=1;j<48;j++){
60
61             printf(" ");
62             if(i==5){
63                 j=48;
64                 printf("\t    Silver Screen Informatics    ");
65             }
66         }
67         printf("*\n");
68     }
69 }
```

Line: 1 Col: 1 Sel: 0 Lines: 821 Length: 18195 Insert Done parsing in 2.703 seconds

```
67     printf("\n\n");
68 }
69 printf("\t\t\t\t\t");
70 for(i=1;i<50;i++){
71     printf("*");
72 }
73
74 printf("\n\n\t\t\t\t\t Press any key to continue:");
75 getch();
76 system("cls");
77 }
78
79 void Login ()
80 {
81     system("color 6");
82     int a=0,i=0,j;
83     char username[10],c=' ';
84     char password[10],code[10];
85     char user[10]="admin";
86     char pass[10]="pass";
87
88     do
89     {
90         printf("\n\n\t\t\t\t ***** LOGIN PAGE *****");
91
92         printf("\n\n\t\t\t\t USERNAME : ");
93         scanf("%s",&username);
94
95         printf("\n\n\t\t\t\t PASSWORD : ");
96
97         while (i<10)
98         {
99             password[i] = getch();
100             c = password[i];
101             if (c == 13)
102             {
103                 break;
104             }
105         }
106     }
107     else
108     {
109         printf("\n\n\t\t\t\t ");
110     }
111     i++;
112 }
113
114 password[i]='\0';
115 i=0;
116
117 if(strcmp(username,"admin")==0 && strcmp(password,"pass")==0)
118 {
119     int i=0,j=0,b;
120
121     system("cls");
122     system("color 7");
123     printf("\n\nPassword Match!");
124
125     loading();
126
127     printf("\n\n\n\n\n\n\n\n\n\n");
128     printf("\t\t\t\t\t");
129     for(i=1;i<50;i++){
130         {
131             printf("*");
132         }
133     }
134     printf("\n\n");
135     for(i=1;i<10;i++){
136         {
137             printf(" ");
138         }
139     }
140 }
```

Line: 37 Col: 2 Sel: 0 Lines: 821 Length: 18195 Insert Done parsing in 2.703 seconds

```
104     {
105         break;
106     }
107     else
108     {
109         printf("\n\n\t\t\t\t ");
110     }
111     i++;
112 }
113
114 password[i]='\0';
115 i=0;
116
117 if(strcmp(username,"admin")==0 && strcmp(password,"pass")==0)
118 {
119     int i=0,j=0,b;
120
121     system("cls");
122     system("color 7");
123     printf("\n\nPassword Match!");
124
125     loading();
126
127     printf("\n\n\n\n\n\n\n\n\n\n");
128     printf("\t\t\t\t\t");
129     for(i=1;i<50;i++){
130         {
131             printf("*");
132         }
133     }
134     printf("\n\n");
135     for(i=1;i<10;i++){
136         {
137             printf(" ");
138         }
139     }
140 }
```

Line: 129 Col: 13 Sel: 0 Lines: 820 Length: 18192 Insert Done parsing in 2.703 seconds





```
E:\PF project\Managment System.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug ["] Managment System.c
ab: struct
check: struct
system: struct
ticket: struct
BookTicket(): void
EditMovie(): void
InsertMovie(): void
loading(): void
loadingdisplay(int x, int y): void
Login(): void
Logout(): void
main(): int
menu(): void
ViewMovie(): void
ViewTransactions(): void
Welcome(): void
219         for(i=1;i<50;i++)
220         {
221             printf("*");
222         }
223
224
225         printf("\n\n\t\t\t\t\t Press any key to terminate the program:");
226         getch();
227         system("cls");
228         getch();
229         exit(0);
230         system("cls");
231     }
232
233 void menu()
234 {
235     int choice=0;
236
237     system("color E5");
238     printf("\n\n\t\t\t\t\t Silver Screen Informatics ");
239     printf("\n\n\n\t\t\t\t\t \xB2\xB2\xB2\xB2\xB2\xB2 WELCOME TO THE MAIN MENU");
240     printf("\n\n\n\t\t\t\t\t 1.View Movie\n\t\t\t\t\t 2.Insert Movie\n\t\t\t\t\t 3.Edit Movie\n\t\t\t\t\t 4.");
241     scanf("%d",&choice);
242
243     switch (choice)
244     {
245     case 1: ViewMovie();
246         break;
247     case 2: InsertMovie();
248         break;
249     case 3: EditMovie();
250         break;
251     case 4: ViewTransactions();
252         break;
253     }
254
255
256
Line: 218 Col: 13 Sel: 0 Lines: 820 Length: 18192 Insert Done parsing in 2.703 seconds
```

```
E:\PF project\Managment System.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug ["] Managment System.c
ab: struct
check: struct
system: struct
ticket: struct
BookTicket(): void
EditMovie(): void
InsertMovie(): void
loading(): void
loadingdisplay(int x, int y): void
Login(): void
Logout(): void
main(): int
menu(): void
ViewMovie(): void
ViewTransactions(): void
Welcome(): void
258         case 5: BookTicket();
259         break;
260         case 6: Logout();
261         break;
262         default: printf("Invalid Choice");
263         break;
264     }
265     system("cls");
266 }
267
268 void loading()
269 {
270     int r,q;
271     system("cls");
272     loadingdisplay(50,15);
273     printf("Loading, Please Wait....");
274     loadingdisplay(10,10);
275     for (r=1; r<=100; r++)
276     {
277         for (q=0; q<=999995; q++)
278             printf("%c",219);
279     }
280     system("cls");
281
282 void loadingdisplay(int x, int y)
283 {
284     COORD coord;
285     coord.X=x;
286     coord.Y=y;
287     SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE),coord);
288 }
289
290
291
292
293
294
295
Line: 254 Col: 15 Sel: 0 Lines: 820 Length: 18192 Insert Done parsing in 2.703 seconds
```

```
E:\PF project\Management System.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
[*] Management System.c

296 void InsertMovie()
297 {
298     FILE *ptr;
299     struct system ab;
300
301     int capacity;
302     FILE *fcpt;
303     fcpt=fopen("capacity.txt","r+");
304     ptr=fopen("movies.txt","r");
305     fscanf(fcpt,"%d",&capacity);
306
307     if(capacity==0)
308     {
309         int cap=0;
310         printf("\n \t\t\t You cannot add more movie. Limit is exceeded\n\n\t\t\t Go to the edit movie sec
311         scanf("%d",&cap);
312         switch(cap)
313         {
314             case 1: menu();
315             break;
316             case 2: exit(0);
317             break;
318         }
319     }
320     else{
321
322         printf("\n-----\n\n\t\t\t Enter The Movie Code : ");
323         scanf("%s",&check.code);
324
325         while (fscanf(ptr,"%s %s %s %d %d\n",ab.code,ab.movie,ab.showtime,&ab.cost,&ab.tickets) != EOF)
326         {
327             if (strcmp(check.code,ab.code)==0)
328             {
329                 printf("\n\n\n\t\t\t \xB2\xB2\xB2\xB2\xB2\xB2 RECORD Already Found \xB2\xB2\xB2\xB2
330                 printf("\n\t\t\t Code : %s",ab.code);
331                 printf("\n\t\t\t Movie Name : %s",ab.movie);
332                 printf("\n\t\t\t Showtime : %s",ab.showtime);
333                 printf("\n\t\t\t Cost Per ticket : %d",ab.cost);
334                 printf("\n\t\t\t Ticket Status : %d",ab.tickets);
335                 printf("\n\t\t\t Cannot insert the same data");
336                 printf("\n\n\t\t\t Press Any Key to go back to menu");
337             }
338         }
339     }
340 }
```

```
E:\PF project\Management System.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
[*] Management System.c

341     getch();
342     system("cls");
343     menu();
344 }
345
346
347 strcpy (ab.code,check.code);
348
349 printf("\n \t\t\t Enter Movie Name : ");
350 scanf("%s",&ab.movie);
351
352 printf("\n \t\t\t Enter The Showtime : ");
353 scanf("%s",&ab.showtime);
354
355 printf("\n \t\t\t Enter The Cost/Ticket : ");
356 scanf("%d",&ab.cost);
357
358 printf("\n \t\t\t Enter The Total Number of Seats: ");
359 scanf("%d",&ab.tickets);
360
361 fclose(ptr);
362
363 ptr=fopen("movies.txt","a");
364
365 if (ptr == NULL)
366 {
367     printf("\n\n\n\t\t\t \xB2\xB2\xB2\xB2\xB2\xB2 ERROR 404! FILE NOT FOUND \xB2\xB2\xB2\xB2
368     menu();
369 }
370
371 else
372 {
373     fprintf(ptr,"%s %s %s %d %d\n",ab.code, ab.movie, ab.showtime, ab.cost, ab.tickets);
374
375     printf("\n\n\n\t\t\t \xB2\xB2\xB2\xB2\xB2\xB2 DATA RECORDED SUCCESSFULLY \xB2\xB2\xB2\xB2
376 }
377
378 capacity--;
379
380 fseek( fcpt, -1, SEEK_CUR );
381 fprintf(fcpt,"%d", capacity);
382 fclose(fcpt);
383
384 printf("\n");
385 fclose(ptr);
```





```
E:\PF project\Managment System.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help

[*] Managment System.c

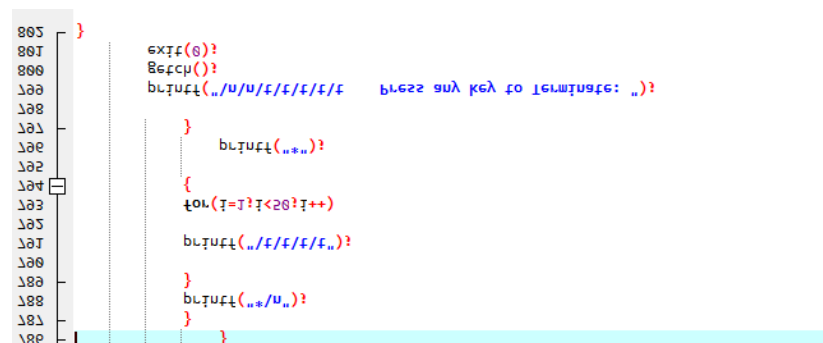
564 printf("\n \t\t\t -----");
565 printf("\n\t\t\t\t\tEnter Correct Code Number\n");
566 printf("\t\t\t\t\tPress Any Key To Book Anoter Movie : ");
567 printf("\n \t\t\t -----");
568 getch();
569 fclose(ptr);
570 fclose(newrec);
571 remove("movies.txt");
572 rename("moviesnew.txt", "movies.txt");
573 BookTicket();
574
575 }
576
577 printf("\n \t\t\t Do you want to book again? Press Y for Yes and N for No: ");
578 scanf(" %c", &choice);
579
580 switch(choice)
581 {
582     case 'y':
583         system("cls");
584         fclose(trans);
585         fclose(ptr);
586         remove("movies.txt");
587         rename("moviesnew.txt", "movies.txt");
588         BookTicket();
589         break;
590
591     case 'N':
592     case 'n': printf("\n \t\t\t Press any key to go back to menu");
593             getch();
594             system("cls");
595             fclose(trans);
596             fclose(ptr);
597             fclose(newrec);
598             remove("movies.txt");
599             rename("moviesnew.txt", "movies.txt");
600             menu();
601             break;
602 }
603
604 }
605
606
607
608
<
>
Compiler Resources Compile Log Debug Find Results
```

```
E:\PF project\Managment System.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help

[*] Managment System.c

606     system("cls");
607     menu();
608 }
609
610 void ViewTransactions()
611 {
612     char ch,i;
613     FILE *trans;
614
615     trans = fopen("Transactions.txt", "r");
616
617     if(trans == NULL)
618     {
619         printf("File not found !");
620         printf("\t\t\t\t\tPress Any Key To Continue");
621         getch();
622         system("cls");
623         menu();
624     }
625     else
626     {
627         system("cls");
628         printf("\t\t\t\t\tAll Transactions :-\n");
629         while( ( ch = fgetc(trans) ) != EOF )
630         {
631             printf("%c",ch);
632         }
633     }
634
635     fclose(trans);
636     menu();
637 }
638
639 void EditMovie()
640 {
641     struct system ab;
642
643     FILE *ptr;
644     FILE *editrec;
645
646     int choice=0;
647     int ticket=0;
648
649     char movieName[30];
650
<
>
Compiler Resources Compile Log Debug Find Results
```

[illegible][illegible]



Task	Work	Logic	Duration
Welcome Screen	Mujtaba	Mujtaba	1 Day
Login	Aheed	Aheed	1 Day
Loading Screen	Aheed	Aheed	2 Days
View Movie	Mujtaba	Hatim	2 Days
Insert Movie	All	All	3-4 Days
Edit Movie	Hatim	Hatim	2 Days
View Transaction	Aheed	Aheed	2 Days
Book Tickets	Aheed / Hatim	Aheed	2 Days



