BANK MANAGEMENT SYSTEM

21CSS101J – PROGRAMMING FOR PROBLEM SOLVING

Mini Project Report

Submitted by

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PROBLEM STATEMENT:

BANK MANAGEMENT SYSTEM

BANK MANAGEMENT SYSTEM undertaken as a project is based on relevant technologies. The main aim of this project is to develop software for bank management system. This project is to develop software for bank management system. This project has been developed to carry out the processes easily and quickly, which is not possible with the manuals systems, which are overcome by this software. This project is developed using VB language and. Hence it provides the complete solution for the current management system.

METHODOLOGY / PROCEDURE:

The Bank Account Management System is an application for maintaining a person's account in a bank. In this project I tried to show the working of a banking account system and cover the basic functionality of a Bank Account Management System. To develop a project for solving financial applications of a customer in banking environment in order to nurture the needs of an end banking user by providing various ways to perform banking tasks. Also to enable the user's work space to have additional functionalities which are not provided under a conventional banking project. The Bank Account Management System undertaken as a project is based on relevant technologies. The main aim of this project is to develop software for Bank Account Management System. This project has been developed to carry out the processes easily and quickly, which is not possible with the manuals systems, which are overcome by this software. Creating and managing requirements is a challenge of IT, systems and product development projects or indeed for any activity where you have to manage a contractual relationship. Organization need to effectively define and manage requirements to ensure they are meeting needs of the customer, while proving

compliance and staying on the schedule and within budget. The impact of a poorly expressed requirement can bring a business out of compliance or even cause injury or death. Requirements definition and management is an activity that can deliver a high, fast return on investment. The project analyzes the system requirements and then comes up with the requirements specifications. It studies other related systems and then come up with system specifications. The system is then designed in accordance with specifications to satisfy the requirements.The system is designed as an interactive and content management system. The content management system deals with data entry, validation confirm and updating whiles the interactive system deals with system interaction with the administration and users. Thus, above features of this project will save transaction time and therefore increase the efficiency of the system.

CODING (C):

```c
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<windows.h>
4 int i,j;
5 int main_exit;
6 void menu();
7 struct date{
8 int month,day,year;
9
10 };
11 struct {
12
13 char name[60];
14 int acc_no,age;
15 char address[60];
16 char citizenship[15];
17 double phone;
18 char acc_type[10];
19 float amt;
20 struct date dob;
21 struct date deposit;
22 struct date withdraw;
23
24 }add,upd,check,rem,transaction;
25
26 float interest(float t,float amount,int rate)
27 {
28 float SI;
29 SI=(rate*t*amount)/100.0;
30 return (SI);
31
32 }
33 void fordelay(int j)
34 { int i,k;
```

```c
35 for(i=0;i<j;i++)
36 k=i;
37 }
38
39 void new_acc()
40
41 {
42 int choice;
43 FILE *ptr;
44
45 ptr=fopen("record.dat","a+");
46 account_no:
47 system("cls");
48 printf("\t\t\t\xB2\xB2\xB2 ADD RECORD \xB2\xB2\xB2\xB2");
49 printf("\n\n\nEnter today's date(mm/dd/yyyy):");
50
scanf("%d/%d/%d",&add.deposit.month,&add.deposit.day,&add.deposit.ye
ar);
51 printf("\nEnter the account number:");
52 scanf("%d",&check.acc_no);
53 while(fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",&add.acc_no,add.name,&add.dob.month,&
add.dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&add.
phone,add.acc_type,&add.amt,&add.deposit.
month,&add.deposit.day,&add.deposit.year)!=EOF)
54 {
55 if (check.acc_no==add.acc_no)
56 {printf("Account no. already in use!");
57 fordelay(1000000000);
58 goto account_no;
59
60 }
61 }
62 add.acc_no=check.acc_no;
63 printf("\nEnter the name:");
64 scanf("%s",add.name);
65 printf("\nEnter the date of birth(mm/dd/yyyy):");
66 scanf("%d/%d/%d",&add.dob.month,&add.dob.day,&add.dob.year);
```

```c
67 printf("\nEnter the age:");
68 scanf("%d",&add.age);
69 printf("\nEnter the address:");
70 scanf("%s",add.address);
71 printf("\nEnter the citizenship number:");
72 scanf("%s",add.citizenship);
73 printf("\nEnter the phone number: ");
74 scanf("%lf",&add.phone);
75 printf("\nEnter the amount to deposit:Rs.");
76 scanf("%f",&add.amt);
77 printf("\nType of account:\n\t#Saving\n\t#Current\n\t#Fixed1(for
1 year)\n\t#Fixed2(for 2
years)\n\t#Fixed3(for 3 years)\n\n\tEnter your choice:");
78 scanf("%s",add.acc_type);
79
80 fprintf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.
dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,a
dd.acc_type,add.amt,add.deposit.month,add.
deposit.day,add.deposit.year);
81
82
83 fclose(ptr);
84 printf("\nAccount created successfully!");
85 add_invalid:
86 printf("\n\n\n\t\tEnter 1 to go to the main menu and 0 to
exit:");
87 scanf("%d",&main_exit);
88 system("cls");
89 if (main_exit==1)
90 menu();
91 else if(main_exit==0)
92 close();
93 else
94 {
95 printf("\nInvalid!\a");
96 goto add_invalid;
97 }
```

```c
98  }
99  void view_list()
100 {
101 FILE *view;
102 view=fopen("record.dat","r");
103 int test=0;
104 system("cls");
105 printf("\nACC. NO.\tNAME\t\t\tADDRESS\t\t\tPHONE\n");
106
107 while(fscanf(view,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add
.dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&add.pho
ne,add.acc_type,&add.amt,&add.deposit.month
,&add.deposit.day,&add.deposit.year)!=EOF)
108 {
109 printf("\n%6d\t
%10s\t\t\t%10s\t\t%.0lf",add.acc_no,add.name,add.address,add.phone);
110 test++;
111 }
112
113 fclose(view);
114 if (test==0)
115 { system("cls");
116 printf("\nNO RECORDS!!\n");}
117
118 view_list_invalid:
119 printf("\n\nEnter 1 to go to the main menu and 0 to exit:");
120 scanf("%d",&main_exit);
121 system("cls");
122 if (main_exit==1)
123 menu();
124 else if(main_exit==0)
125 close();
126 else
127 {
128 printf("\nInvalid!\a");
129 goto view_list_invalid;
130 }
```

```c
131 }
132 void edit(void)
133 {
134 int choice,test=0;
135 FILE *old,*newrec;
136 old=fopen("record.dat","r");
137 newrec=fopen("new.dat","w");
138
139 printf("\nEnter the account no. of the customer whose info you
want to change:");
140 scanf("%d",&upd.acc_no);
141 while(fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.
dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&add.phon
e,add.acc_type,&add.amt,&add.deposit.month,&
add.deposit.day,&add.deposit.year)!=EOF)
142 {
143 if (add.acc_no==upd.acc_no)
144 { test=1;
145 printf("\nWhich information do you want to
change?\n1.Address\n2.Phone\n\nEnter your choice(1
for address and 2 for phone):");
146 scanf("%d",&choice);
147 system("cls");
148 if(choice==1)
149 {printf("Enter the new address:");
150 scanf("%s",upd.address);
151 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.
month,add.dob.day,add.dob.year,add.age,upd.address,add.citizenship,a
dd.phone,add.acc_type,add.amt,add.deposit.
month,add.deposit.day,add.deposit.year);
152 system("cls");
153 printf("Changes saved!");
154 }
155 else if(choice==2)
156 {
157 printf("Enter the new phone number:");
```

```c
158 scanf("%lf",&upd.phone);
159 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.
month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,u
pd.phone,add.acc_type,add.amt,add.deposit.
month,add.deposit.day,add.deposit.year);
160 system("cls");
161 printf("Changes saved!");
162 }
163
164 }
165 else
166 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month
,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.ph
one,add.acc_type,add.amt,add.deposit.month,
add.deposit.day,add.deposit.year);
167 }
168 fclose(old);
169 fclose(newrec);
170 remove("record.dat");
171 rename("new.dat","record.dat");
172
173 if(test!=1)
174 { system("cls");
175 printf("\nRecord not found!!\a\a\a");
176 edit_invalid:
177 printf("\nEnter 0 to try again,1 to return to main menu and 2 to
exit:");
178 scanf("%d",&main_exit);
179 system("cls");
180 if (main_exit==1)
181
182 menu();
183 else if (main_exit==2)
184 close();
185 else if(main_exit==0)
186 edit();
```

```c
187 else
188 {printf("\nInvalid!\a");
189 goto edit_invalid;}
190 }
191 else
192 {printf("\n\n\nEnter 1 to go to the main menu and 0 to exit:");
193 scanf("%d",&main_exit);
194 system("cls");
195 if (main_exit==1)
196 menu();
197 else
198 close();
199 }
200 }
201
202 void transact(void)
203 { int choice,test=0;
204 FILE *old,*newrec;
205 old=fopen("record.dat","r");
206 newrec=fopen("new.dat","w");
207
208 printf("Enter the account no. of the customer:");
209 scanf("%d",&transaction.acc_no);
210 while (fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add
.dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&add.pho
ne,add.acc_type,&add.amt,&add.deposit.month
,&add.deposit.day,&add.deposit.year)!=EOF)
211 {
212
213 if(add.acc_no==transaction.acc_no)
214 { test=1;
215
if(strcmpi(add.acc_type,"fixed1")==0||strcmpi(add.acc_type,"fixed2")
==0||strcmpi(add.
acc_type,"fixed3")==0)
216 {
```

```c
217 printf("\a\a\a\n\nYOU CANNOT DEPOSIT OR WITHDRAW CASH IN FIXED
ACCOUNTS!!!!!");
218 fordelay(1000000000);
219 system("cls");
220 menu();
221
222 }
223 printf("\n\nDo you want to\n1.Deposit\n2.Withdraw?\n\nEnter your
choice(1 for deposit and 2
for withdraw):");
224 scanf("%d",&choice);
225 if (choice==1)
226 {
227 printf("Enter the amount you want to deposit:Rs. ");
228 scanf("%f",&transaction.amt);
229 add.amt+=transaction.amt;
230 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.
dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizensh
ip,add.phone,add.acc_type,add.amt,add.
deposit.month,add.deposit.day,add.deposit.year);
231 printf("\n\nDeposited successfully!");
232 }
233 else
234 {
235 printf("Enter the amount you want to withdraw:Rs. ");
236 scanf("%f",&transaction.amt);
237 add.amt-=transaction.amt;
238 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.
dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizensh
ip,add.phone,add.acc_type,add.amt,add.
deposit.month,add.deposit.day,add.deposit.year);
239 printf("\n\nWithdrawn successfully!");
240 }
241
242 }
243 else
```

```c
244 {
245 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.
month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,a
dd.phone,add.acc_type,add.amt,add.deposit.
month,add.deposit.day,add.deposit.year);
246 }
247 }
248 fclose(old);
249 fclose(newrec);
250 remove("record.dat");
251 rename("new.dat","record.dat");
252 if(test!=1)
253 {
254 printf("\n\nRecord not found!!");
255 transact_invalid:
256 printf("\n\n\nEnter 0 to try again,1 to return to main menu and
2 to exit:");
257 scanf("%d",&main_exit);
258 system("cls");
259 if (main_exit==0)
260 transact();
261 else if (main_exit==1)
262 menu();
263 else if (main_exit==2)
264 close();
265 else
266 {
267 printf("\nInvalid!");
268 goto transact_invalid;
269 }
270
271 }
272 else
273 {
274 printf("\nEnter 1 to go to the main menu and 0 to exit:");
275 scanf("%d",&main_exit);
276 system("cls");
```

```c
277 if (main_exit==1)
278 menu();
279 else
280 close();
281 }
282
283 }
284 void erase(void)
285 {
286 FILE *old,*newrec;
287 int test=0;
288 old=fopen("record.dat","r");
289 newrec=fopen("new.dat","w");
290 printf("Enter the account no. of the customer you want to
delete:");
291 scanf("%d",&rem.acc_no);
292 while (fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add
.dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&add.pho
ne,add.acc_type,&add.amt,&add.deposit.month
,&add.deposit.day,&add.deposit.year)!=EOF)
293 {
294 if(add.acc_no!=rem.acc_no)
295 fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month
,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.ph
one,add.acc_type,add.amt,add.deposit.month,
add.deposit.day,add.deposit.year);
296
297 else
298 {test++;
299 printf("\nRecord deleted successfully!\n");
300 }
301 }
302 fclose(old);
303 fclose(newrec);
304 remove("record.dat");
305 rename("new.dat","record.dat");
```

```c
306 if(test==0)
307 {
308 printf("\nRecord not found!!\a\a\a");
309 erase_invalid:
310 printf("\nEnter 0 to try again,1 to return to main menu and 2 to
exit:");
311 scanf("%d",&main_exit);
312
313 if (main_exit==1)
314 menu();
315 else if (main_exit==2)
316 close();
317 else if(main_exit==0)
318 erase();
319 else
320 {printf("\nInvalid!\a");
321 goto erase_invalid;}
322 }
323 else
324 {printf("\nEnter 1 to go to the main menu and 0 to exit:");
325 scanf("%d",&main_exit);
326 system("cls");
327 if (main_exit==1)
328 menu();
329 else
330 close();
331 }
332
333 }
334
335 void see(void)
336 {
337 FILE *ptr;
338 int test=0,rate;
339 int choice;
340 float time;
341 float intrst;
342 ptr=fopen("record.dat","r");
```

```c
343 printf("Do you want to check by\n1.Account no\n2.Name\nEnter
your choice:");
344 scanf("%d",&choice);
345 if (choice==1)
346 { printf("Enter the account number:");
347 scanf("%d",&check.acc_no);
348
349 while (fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month
,&add.dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&ad
d.phone,add.acc_type,&add.amt,&add.deposit.
month,&add.deposit.day,&add.deposit.year)!=EOF)
350 {
351 if(add.acc_no==check.acc_no)
352 { system("cls");
353 test=1;
354
355 printf("\nAccount NO.:%d\nName:%s \nDOB:%d/%d/%d \nAge:%d
\nAddress:%s \nCitizenship No:%s
\nPhone number:%.0lf \nType Of Account:%s \nAmount deposited:Rs.
%.2f \nDate Of Deposit:%d/%d/%d\n\n",add.acc_no
,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address
,add.citizenship,add.phone,
356
add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.y
ear);
357 if(strcmpi(add.acc_type,"fixed1")==0)
358 {
359 time=1.0;
360 rate=9;
361 intrst=interest(time,add.amt,rate);
362 printf("\n\nYou will get Rs.%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,
add.deposit.day,add.deposit.year+1);
363 }
364 else if(strcmpi(add.acc_type,"fixed2")==0)
365 {
366 time=2.0;
```

```c
367 rate=11;
368 intrst=interest(time,add.amt,rate);
369 printf("\n\nYou will get Rs..%.2f as interest on
%d/%d/%d",intrst,add.deposit.month
,add.deposit.day,add.deposit.year+2);
370
371 }
372 else if(strcmpi(add.acc_type,"fixed3")==0)
373 {
374 time=3.0;
375 rate=13;
376 intrst=interest(time,add.amt,rate);
377 printf("\n\nYou will get Rs..%.2f as interest on
%d/%d/%d",intrst,add.deposit.month
,add.deposit.day,add.deposit.year+3);
378
379 }
380 else if(strcmpi(add.acc_type,"saving")==0)
381 {
382 time=(1.0/12.0);
383 rate=8;
384 intrst=interest(time,add.amt,rate);
385 printf("\n\nYou will get Rs..%.2f as interest on %d of every
month",intrst,add.
deposit.day);
386
387 }
388 else if(strcmpi(add.acc_type,"current")==0)
389 {
390
391 printf("\n\nYou will get no interest\a\a");
392
393 }
394
395 }
396 }
397 }
398 else if (choice==2)
```

```
399 { printf("Enter the name:");
400 scanf("%s",&check.name);
401 while (fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month
,&add.dob.day,&add.dob.year,&add.age,add.address,add.citizenship,&ad
d.phone,add.acc_type,&add.amt,&add.deposit.
month,&add.deposit.day,&add.deposit.year)!=EOF)
402 {
403 if(strcmpi(add.name,check.name)==0)
404 { system("cls");
405 test=1;
406 printf("\nAccount No.:%d\nName:%s \nDOB:%d/%d/%d \nAge:%d
\nAddress:%s \nCitizenship No:%s
\nPhone number:%.0lf \nType Of Account:%s \nAmount deposited:Rs.%.2f
\nDate Of Deposit:%d/%d/%d\n\n",add.acc_no,
add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,
add.citizenship,add.phone,
407
add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.y
ear);
408 if(strcmpi(add.acc_type,"fixed1")==0)
409 {
410 time=1.0;
411 rate=9;
412 intrst=interest(time,add.amt,rate);
413 printf("\n\nYou will get Rs..%.2f as interest on
%d/%d/%d",intrst,add.deposit.month
,add.deposit.day,add.deposit.year+1);
414 }
415 else if(strcmpi(add.acc_type,"fixed2")==0)
416 {
417 time=2.0;
418 rate=11;
419 intrst=interest(time,add.amt,rate);
420 printf("\n\nYou will get Rs..%.2f as interest on
%d/%d/%d",intrst,add.deposit.month
,add.deposit.day,add.deposit.year+2);
421
```

```c
422 }
423 else if(strcmpi(add.acc_type,"fixed3")==0)
424 {
425 time=3.0;
426 rate=13;
427 intrst=interest(time,add.amt,rate);
428 printf("\n\nYou will get Rs..%.2f as interest on
%d/%d/%d",intrst,add.deposit.month
,add.deposit.day,add.deposit.year+3);
429
430 }
431 else if(strcmpi(add.acc_type,"saving")==0)
432 {
433 time=(1.0/12.0);
434 rate=8;
435 intrst=interest(time,add.amt,rate);
436 printf("\n\nYou will get Rs..%.2f as interest on %d of every
month",intrst,add.
deposit.day);
437
438 }
439 else if(strcmpi(add.acc_type,"current")==0)
440 {
441
442 printf("\n\nYou will get no interest\a\a");
443
444 }
445
446 }
447 }
448 }
449
450
451 fclose(ptr);
452 if(test!=1)
453 { system("cls");
454 printf("\nRecord not found!!\a\a\a");
455 see_invalid:
```

```c
456 printf("\nEnter 0 to try again,1 to return to main menu and 2 to
exit:");
457 scanf("%d",&main_exit);
458 system("cls");
459 if (main_exit==1)
460 menu();
461 else if (main_exit==2)
462 close();
463 else if(main_exit==0)
464 see();
465 else
466 {
467 system("cls");
468 printf("\nInvalid!\a");
469 goto see_invalid;}
470 }
471 else
472 {printf("\nEnter 1 to go to the main menu and 0 to exit:");
473 scanf("%d",&main_exit);}
474 if (main_exit==1)
475 {
476 system("cls");
477 menu();
478 }
479
480 else
481 {
482
483 system("cls");
484 close();
485 }
486
487 }
488
489
490 void close(void)
491 {
```

```
492 printf("\n\n\n\nThis C Mini Project is developed by Code With C
team!");
493 }
494
495
496 void menu(void)
497 { int choice;
498 system("cls");
499 system("color 0");
500 printf("\n\n\t\t\tCUSTOMER ACCOUNT BANKING MANAGEMENT SYSTEM");
501 printf("\n\n\n\t\t\t\xB2\xB2\xB2\xB2\xB2\xB2\xB2 WELCOME TO THE
MAIN MENU \xB2\xB2\xB2\xB2\xB2\xB2\xB2"
);
502 printf("\n\n\t\t1.Create new account\n\t\t2.Update information
of existing account\n\t\t3.For
transactions\n\t\t4.Check the details of existing
account\n\t\t5.Removing existing account\n\t\t6.View
customer's list\n\t\t7.Exit\n\n\n\n\n\t\t Enter your choice:");
503 scanf("%d",&choice);
504
505 system("cls");
506 switch(choice)
507 {
508 case 1:new_acc();
509 break;
510 case 2:edit();
511 break;
512 case 3:transact();
513 break;
514 case 4:see();
515 break;
516 case 5:erase();
517 break;
518 case 6:view_list();
519 break;
520 case 7:close();
521 break;
522
```

```c
523 }
524
525
526
527 }
528 int main()
529 {
530 char pass[20],password[20]="SRM";
531 int i=0;
532 printf("\n\n\t\tEnter the password to login:");
533 scanf("%s",pass);
534 /*do
535 {
536 //if (pass[i]!=13&&pass[i]!=8)
537 {
538 printf("*");
539 pass[i]=getch();
540 i++;
541 }
542 }while (pass[i]!=13);
543 pass[10]='\0';*/
544 if (strcmp(pass,password)==0)
545 {printf("\n\nPassword Match!\nLOADING");
546 for(i=0;i<=6;i++)
547 {
548 fordelay(100000000);
549 printf(".");
550 }
551 system("cls");
552 menu();
553 }
554 else
555 { printf("\n\nWrong password!!\a\a\a");
556 login_try:
557 printf("\nEnter 1 to try again and 0 to exit:");
558 scanf("%d",&main_exit);
559 if (main_exit==1)
560 {
```

```c
561
562 system("cls");
563 main();
564 }
565
566 else if (main_exit==0)
567 {
568 system("cls");
569 close();}
570 else
571 {printf("\nInvalid!");
572 fordelay(1000000000);
573 system("cls");
574 goto login_try;}
575
576 }
577 return 0;
578 }
```
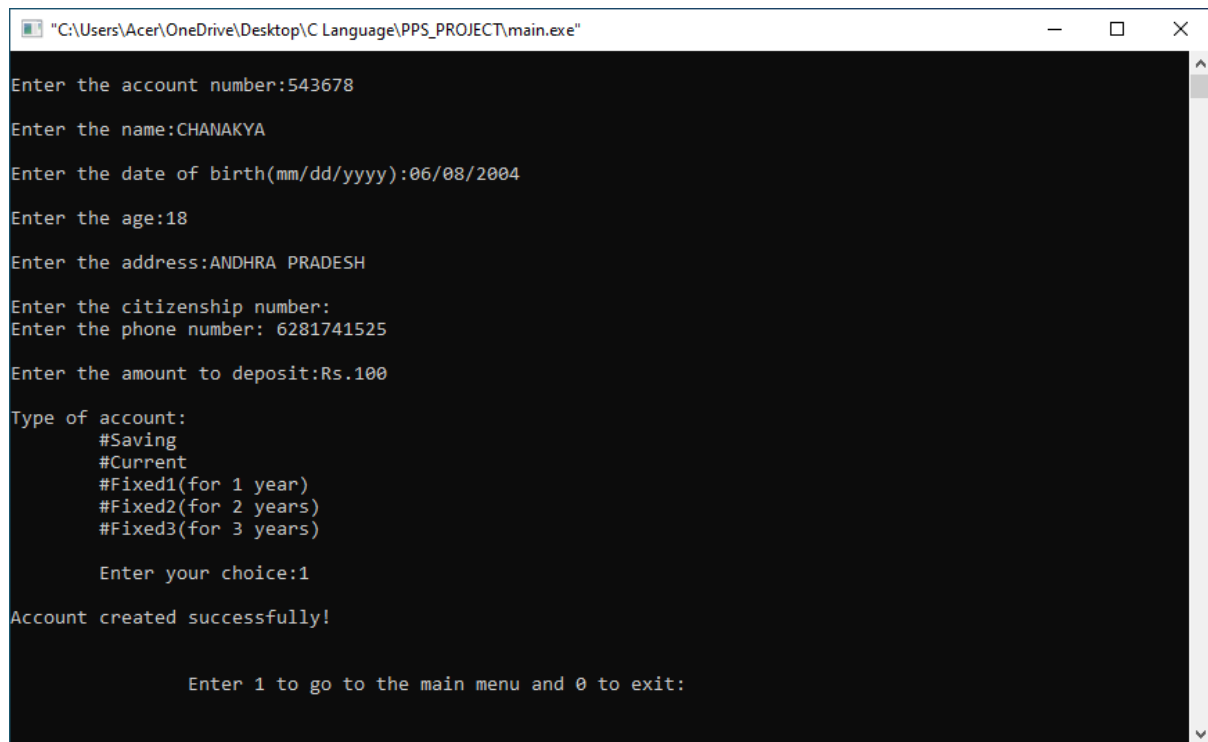
RESULT:

➤ The Main Page
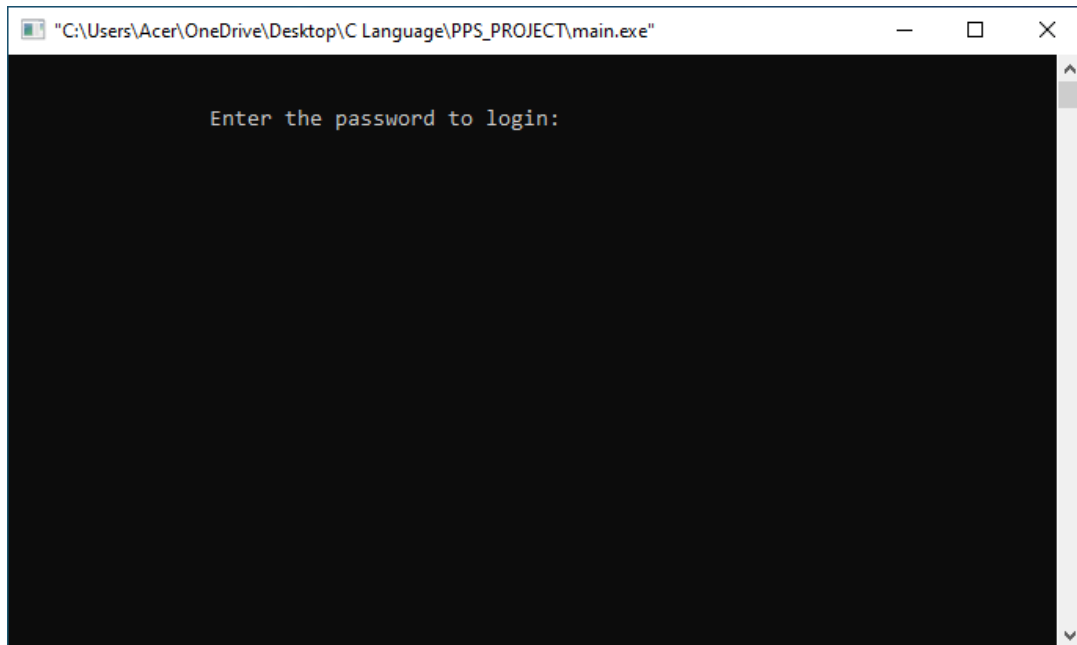
Enter the password **SRM** to enter

➤ After Login
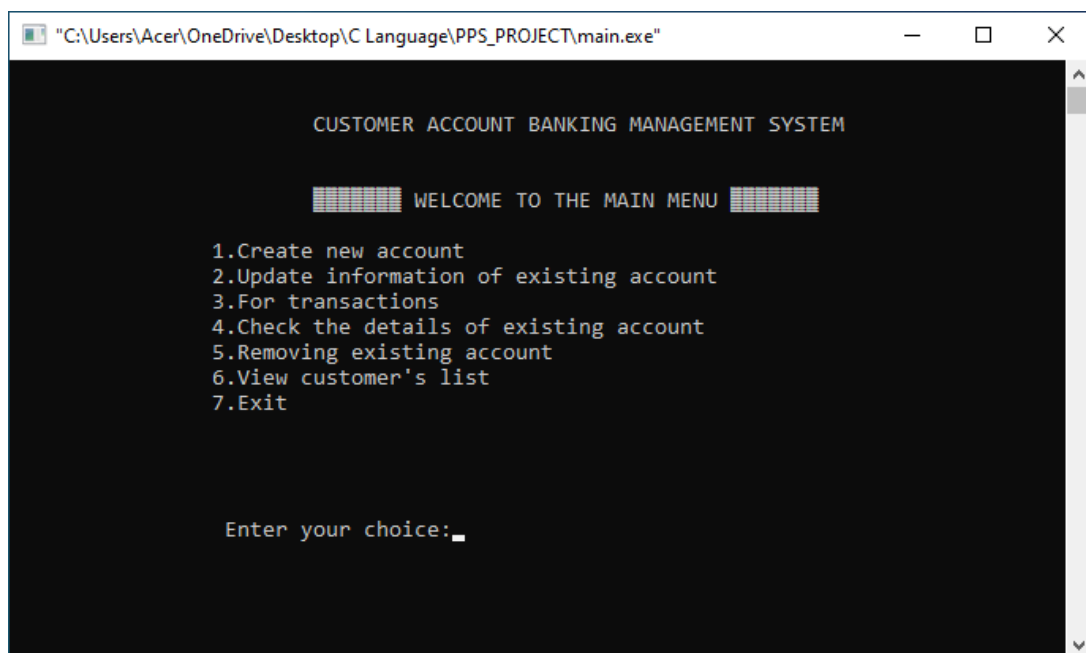
➤ Choosing 1

```
"C:\Users\Acer\OneDrive\Desktop\C Language\PPS_PROJECT\main.exe"                    —    □    ×

Enter the account number:543678

Enter the name:CHANAKYA

Enter the date of birth(mm/dd/yyyy):06/08/2004

Enter the age:18

Enter the address:ANDHRA PRADESH

Enter the citizenship number:
Enter the phone number: 6281741525

Enter the amount to deposit:Rs.100

Type of account:
        #Saving
        #Current
        #Fixed1(for 1 year)
        #Fixed2(for 2 years)
        #Fixed3(for 3 years)

        Enter your choice:1

Account created successfully!


                Enter 1 to go to the main menu and 0 to exit:
```
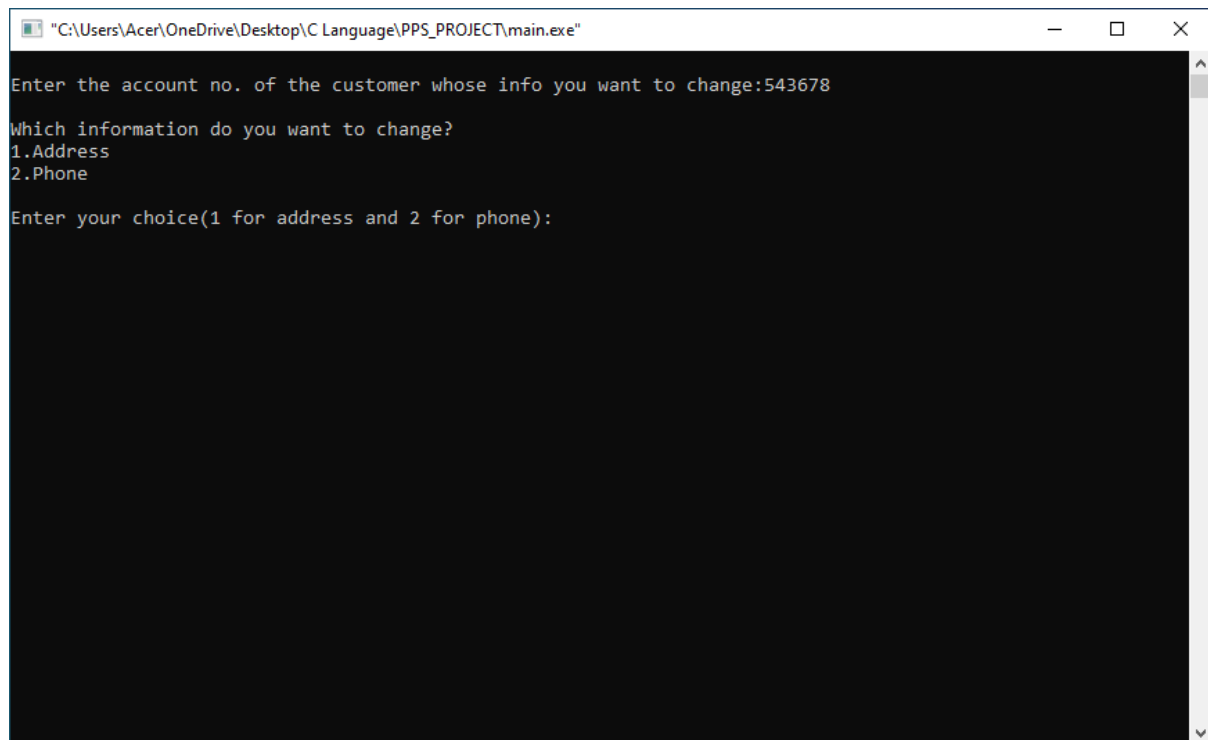
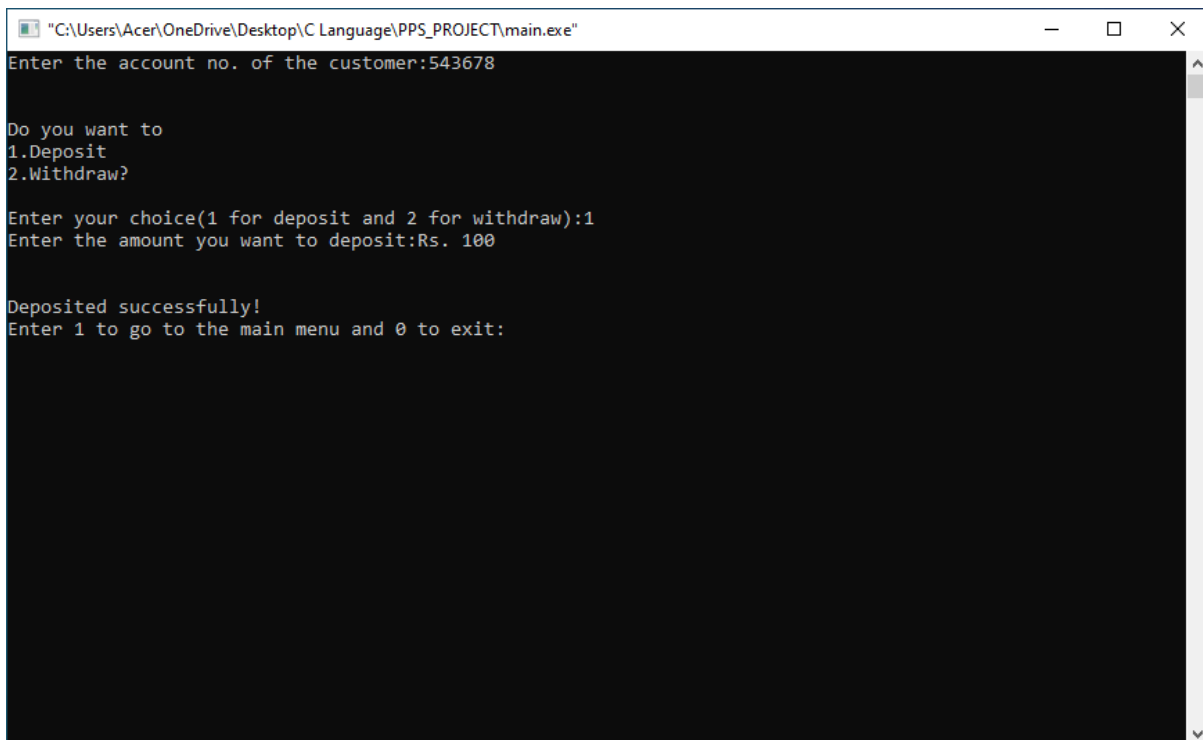After filling the details

➤ Choosing 2

```
"C:\Users\Acer\OneDrive\Desktop\C Language\PPS_PROJECT\main.exe"                    —    □    ×

Enter the account no. of the customer whose info you want to change:543678

Which information do you want to change?
1.Address
2.Phone

Enter your choice(1 for address and 2 for phone):
```
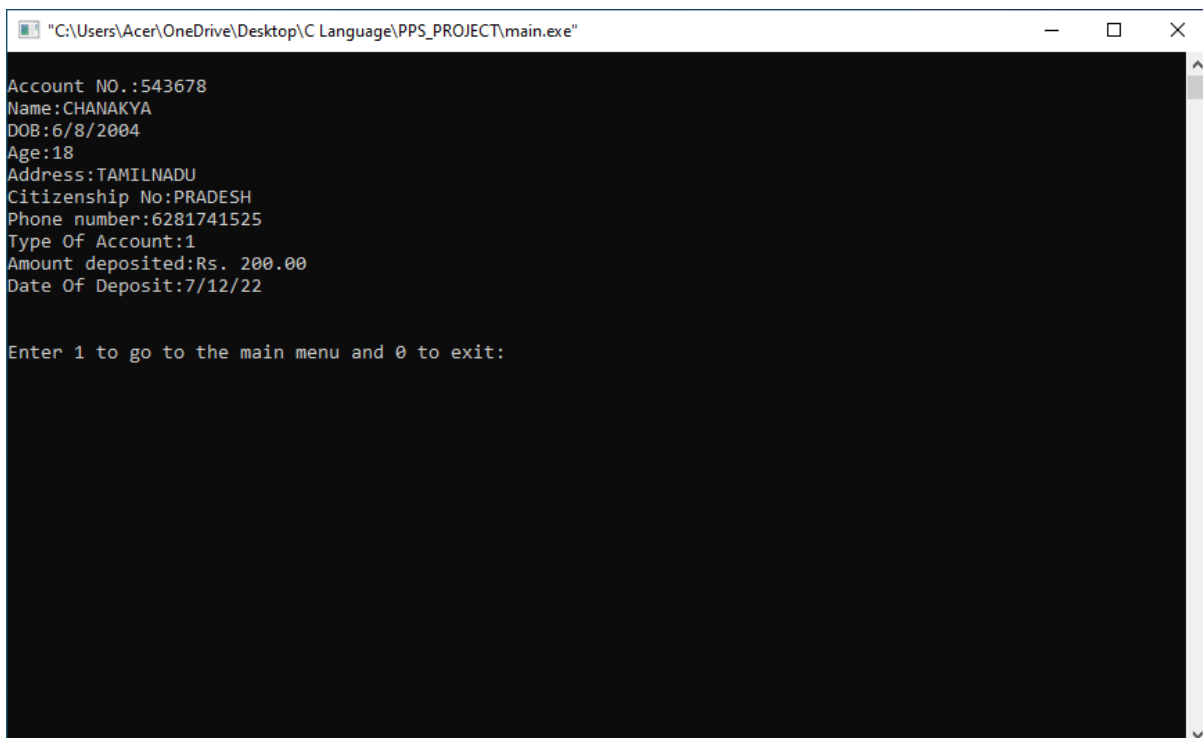
➢ Choosing 3

```
"C:\Users\Acer\OneDrive\Desktop\C Language\PPS_PROJECT\main.exe"                    —    □    ×

Enter the account no. of the customer:543678


Do you want to
1.Deposit
2.Withdraw?

Enter your choice(1 for deposit and 2 for withdraw):1
Enter the amount you want to deposit:Rs. 100


Deposited successfully!
Enter 1 to go to the main menu and 0 to exit:
```
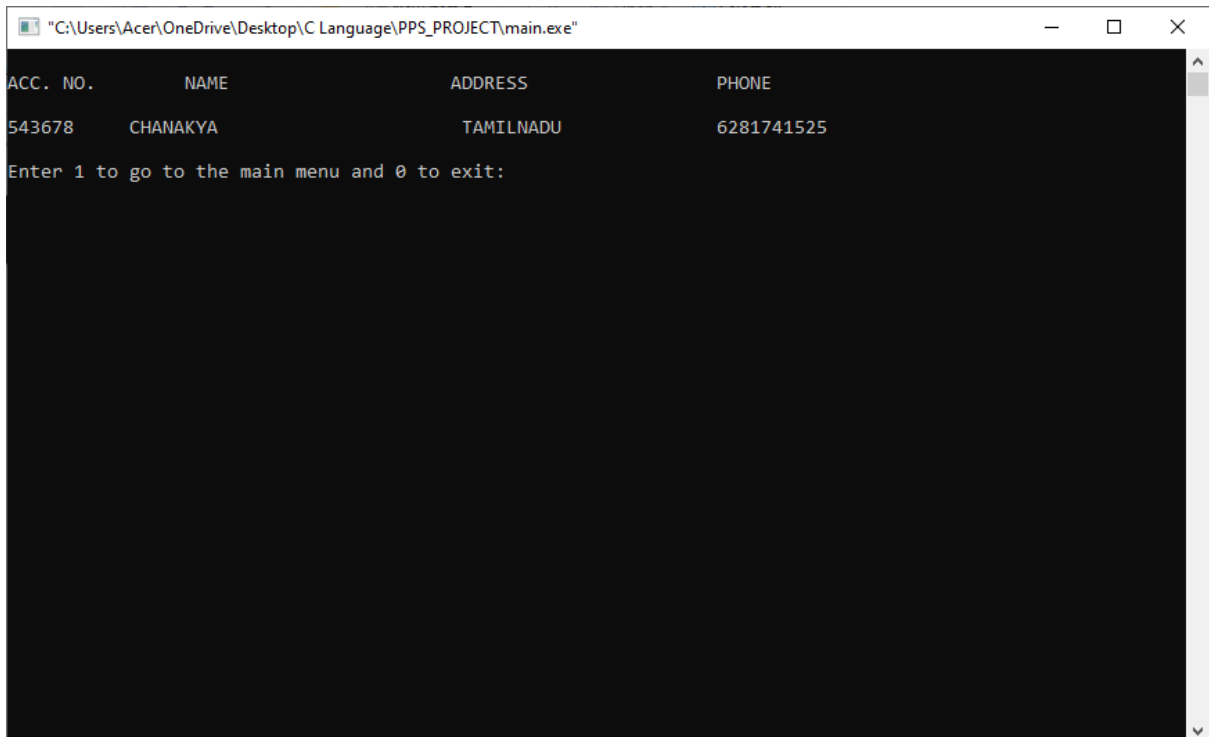
➢ Choosing 4

```
"C:\Users\Acer\OneDrive\Desktop\C Language\PPS_PROJECT\main.exe"                    —    □    ×

Account NO.:543678
Name:CHANAKYA
DOB:6/8/2004
Age:18
Address:TAMILNADU
Citizenship No:PRADESH
Phone number:6281741525
Type Of Account:1
Amount deposited:Rs. 200.00
Date Of Deposit:7/12/22


Enter 1 to go to the main menu and 0 to exit:
```
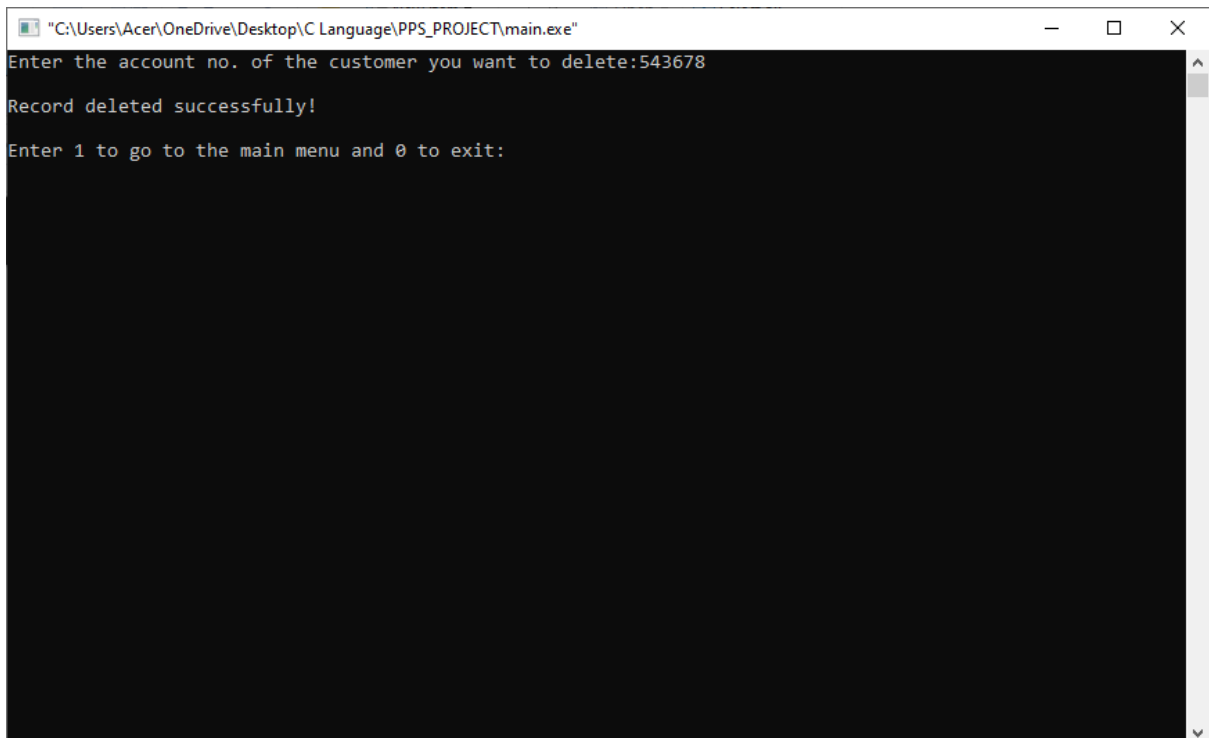
➢ Choosing 6


```
"C:\Users\Acer\OneDrive\Desktop\C Language\PPS_PROJECT\main.exe"                    —    □    ×

ACC. NO.        NAME                    ADDRESS                PHONE

543678      CHANAKYA                   TAMILNADU              6281741525

Enter 1 to go to the main menu and 0 to exit:
```

➢ Choosing 5


```
"C:\Users\Acer\OneDrive\Desktop\C Language\PPS_PROJECT\main.exe"                    —    □    ×

Enter the account no. of the customer you want to delete:543678

Record deleted successfully!

Enter 1 to go to the main menu and 0 to exit:
```

CONCLUSION

The source code for Customer Account Bank Management System is relatively short and easy to understand. I have divided this C mini project into many functions, most of which are related to different banking activities. Listed below are some of the more important functions which may help you understand the project better.

menu() – This function displays the menu or welcome screen to perform different banking activities mentioned below.

new_acc() – This function creates a new customer account. It asks for some personal and banking details of the customer such as name, date of birth, citizenship number, address and phone number. You can enter the amount to deposit and choose one type of deposit account – saving, current, fixed for 1 year, fixed for 2 years or fixed for 3 years.

view list() – With this function, you can view the customer's banking information such as account number, name, address and phone number provided while creating the account.

edit() – This function has been used for changing the address and phone number of a particular customer account.

transact() – With this function, you can deposit and withdraw money to and from a particular customer account.

erase() – This function is for deleting a customer account.

see() – This function shows account number, name, date of birth, citizenship number, age, address, phone number, type of account, amount deposited and date of deposit. It also displays the amount of interest corresponding to a particular account type.

In this bank management system project in C, file handling has been used for almost all functions. File has been used to store data related to new account, transaction, editing of account information and viewing of account information. I haven't used file handling for the menu, interest calculation and password.