

[illegible]

```

41:         c=str[j];
42:         if(c==13) break;
43:         else printf("*");
44:         j++;
45:     }
46:     str[j]='\0';
47:     j=0;
48:
49:
50:     if(strcmp(username,"nawi")==0)
51:     {
52:         if(strcmp(str,"1234")==0)
53:         {
54:             greetings();
55:             Colour(7);
56:             break;
57:         }
58:         else
59:         {
60:             printf("\nwrong password\n");
61:             Sleep(444);
62:         }
63:     }
64:     else
65:     {
66:         printf("\nUser doesn't exist\n");
67:         Sleep(592);
68:     }
69:
70: }
71:
72: if (i>2)           //if exceeds more than 2 times, program
73: {
74:     system("cls");
75:     printf("Too many attempts!");
76:     Sleep(999);
77:     printf("\nProgram will be terminate! \n");
78:     Sleep(900);
79:     closing();
80:     return 0;

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81:     }
82:
83:     /*MAIN MENU*/
84:
85:     do //do closing
86:     {
87:
88:     do //main menu
89:     {
90:         system("cls");
91:         printf("DVD RENTAL SHOP\n=====Main Menu=====\n");
92:         printf("\t 1. CUSTOMER\n\t 2. DVD\n\t 3. RENTAL\n\t 4. A");
93:
94:         printf("Enter your choice : ");
95:         scanf("%d", &choi);
96:
97:
98:         while((choi<0 || choi>5))
99:         {
100:             OutRange();
101:             scanf("%d", &choi);
102:         }
103:
104:         system("cls");
105:
106:
107:         /*FIRST MENU*/
108:         //CUSTOMER MENU
109:
110:         if (choi == 1)
111:             //MAIN->CUSTOMERMENU
112:         {
113:             printf("DVD RENTAL SHOP\n=====Customer Menu=====");
114:             printf("\t 1. ADD NEW CUSTOMER\n\t 2. DISPLAY CUSTOMER");
115:
116:             printf("Enter your choice : ");
117:             scanf("%d", &choi);
118:
119:             while((choi<0 || choi>2) && (choi!=5))
120:             {

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121:         OutRange();
122:         scanf("%d", &choi);
123:     }
124:     system("cls");
125:     if(choi==1)
126:         //MAIN->CUSTOMERMENU->ADD_NEW_CUSTOMER
127:     {
128:         char dcs= 'y';
129:         while (dcs == 'y' || dcs == 'Y')
130:         {
131:             fflush(stdin);
132:             printf("===ADD NEW CUSTOMER===\n");
133:             printf("Customer #d\n\n", ttlCust+1);
134:             printf("Customer name: "); //get customer name
135:             gets(custName[ttlCust]);
136:             fflush(stdin);
137:             printf("IC Number: ");
138:             scanf("%s", ICcust[ttlCust]); //get ic number
139:             fflush(stdin);
140:             printf("Address: ");
141:             gets(AddressCust[ttlCust]); //get address
142:             fflush(stdin);
143:             printf("Telephone Number: ");
144:             scanf("%s", FonCust[ttlCust]); //get telephone number
145:
146:             int sc;
147:             Colour(6);
148:             printf("data saving"); //saving animation
149:             for(sc=0; sc<3; sc++)
150:             {
151:                 printf(" . ");
152:                 Sleep(500);
153:             }
154:             ttlCust=ttlCust+1; //add to TOTAL CUSTOMER
155:             system("cls");
156:
157:             printf("Record saved!");
158:             Sleep(720);
159:             Colour(7);
160:

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161:         printf("\nAdd another customer? (y/n):"); //
162:         scanf(" %c", &dcs);
163:         system("cls");
164:
165:         if (dcs == 'y' || dcs == 'Y')
166:             ;
167:         else if (dcs == 'n' || dcs == 'N')
168:             {
169:                 Colour(7);
170:                 printf("\nReturning to main menu");
171:                 Sleep(499);
172:                 choi=0;
173:             }
174:         else if (dcs != 'y' || dcs != 'Y' || dcs != 'n' || dcs != 'N')
175:             {
176:                 printf("Re-enter\n");
177:                 scanf(" %c", &dcs);
178:                 ReturnMenu();
179:             }
180:
181:         Colour(7);
182:     }
183: }
184:
185: else if (choi==2)
186:     //MAIN->CUSTOMERMENU->DISPLAY_CUSTOMER_INFO
187:     {
188:         int xx,yy=0;
189:         char dcsn2;
190:         printf("===CUSTOMER INFORMATION===");
191:         printf("\n\tCustomer name\t\tIC Number\t\tTelephone\n");
192:
193:         for(xx=0; xx<t1Cust; xx++)
194:             {
195:                 printf("%d\t%-20s\t%-20s\t%-20s\t%-30s\n",xx,
196:                     //display name, ic, telephone, address
197:
198:             }
199:         printf("\n\t---end-of-list---\n");
200:

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201:         fflush(stdin);
202:         printf("\nreturn to main menu?(y/n):"); //prompt
203:         scanf("%c", &dcsn2);
204:
205:         if(dcsn2=='y' || dcsn2=='Y')
206:         {
207:             choi=0;
208:         }
209:         else if (dcsn2=='n' || dcsn2=='N')
210:         {
211:             return 0;
212:         }
213:         else if (dcsn2!='y' || dcsn2!='Y' || dcsn2!='n' || dcsn2!='N')
214:         {
215:             printf("Re-enter\n");
216:             scanf(" %c", &dcsn2);
217:             ReturnMenu();
218:         }
219:     }
220: }
221:
222: else if (choi == 2)
223:     //MAIN->DVDMENU
224:     {
225:         {
226:             printf("DVD RENTAL SHOP\n=====DVD Menu=====");
227:             printf("\t 1. ADD NEW DVD\n\t 2. DISPLAY DVD STOCK");
228:
229:             printf("Enter your choice : ");
230:             scanf("%d", &choi);
231:
232:             while((choi<0 || choi>3) && (choi!=5))
233:             {
234:                 OutRange();
235:                 scanf("%d", &choi);
236:             }
237:         }
238:         system("cls");
239:         if(choi==1)
240:             //MAIN->DVDMENU->ADD_NEW_DVD

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241:         {
242:             char dcs= 'y';
243:             while (dcs == 'y' || dcs == 'Y')
244:             {
245:                 fflush(stdin);
246:                 printf("===ADD NEW DVD===\n");
247:                 printf("DVD #d\n\n", ttlRC+1);
248:                 printf("DVD Title: ");
249:                 gets(DVDtitle[ttlRC]); //get DVD Title
250:                 fflush(stdin);
251:                 printf("Genre: ");
252:                 scanf("%s", DVDgenre[ttlRC]); //get genre
253:                 fflush(stdin);
254:                 printf("No. of copies: ");
255:                 scanf("%d", &DVDCopy[ttlRC]); //get no. of
256:
257:                 int sc;
258:                 Colour(6);
259:                 printf("data saving");
260:                 for(sc=0; sc<3; sc++)
261:                 {
262:                     printf(" . ");
263:                     Sleep(570);
264:                 }
265:                 ttlRC=ttlRC+1;
266:                 system("cls");
267:
268:                 printf("Record saved!");
269:                 Sleep(720);
270:                 Colour(7);
271:                 printf("\nAdd another DVD? (y/n):");
272:                 scanf(" %c", &dcs);
273:                 system("cls");
274:                 if (dcs == 'y' || dcs== 'Y')
275:                     ;
276:                 else if (dcs == 'n' || dcs == 'N')
277:                 {
278:                     Colour(7);
279:                     printf("\nReturning to main menu");
280:                     Sleep(499);

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281:             choi=0;
282:         }
283:         else if (dcs!='y' || dcs!='Y' || dcs!='n' || dcs!=
284:         {
285:             printf("Re-enter\n");
286:             scanf(" %c", &dcs);
287:             ReturnMenu();
288:         }
289:     }
290:     Colour(7);          // 7 PUTIH
291:
292: }
293: else if (choi==2)
294:     //MAIN->DVDMENU->SHOW_DVD_INFO
295:     {
296:         int xx,yy=0;
297:         char dcsn2;
298:         printf("===DVD STOCK===");
299:         printf("\n\tDVD Title\t\t\t No. Of Copies\n");
300:         printf("\t-----\t\t\t ----- \n");
301:
302:         for(xx=0; xx<t1RC; xx++)
303:         {
304:             printf("%d\t%-20s\t\t%-20d\n",xx+1, DVDtitle
305:             //display title, no. of copies
306:         }
307:         printf("\n\t\t---end-of-list---\n");
308:         Sleep(781);
309:
310:         fflush(stdin);
311:         printf("\nreturn to main menu?(y/n):");
312:         scanf("%c", &dcsn2);
313:
314:         if(dcsn2=='y' || dcsn2=='Y')
315:         {
316:             choi=0; //return to MAIN MENU
317:         }
318:         else if (dcsn2=='n' || dcsn2=='N')
319:         {
320:             return 0;

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321:         }
322:     else if (dcsn2 != 'y' || dcsn2 != 'Y' || dcsn2 != 'n' || dcsn2 != 'N')
323:     {
324:         printf("Re-enter\n");
325:         scanf(" %c", &dcsn2);
326:         ReturnMenu();
327:     }
328: }
329: else if (choi==3)
330:     //MAIN->DVDMENU->SEARCH_GENRE
331:     {
332:         int j, MoviesFound=0;
333:         char search[20], dcs;
334:
335:         printf("\tSEARCH MENU");
336:         printf("\t\n\nEnter genre that you would like to search");
337:         fflush(stdin);
338:         gets(search);
339:
340:         for(j=0; j<t1RC; j++)
341:         {
342:             if(strcmp(DVDgenre[j], search)==0) //compare
343:             {
344:                 MoviesFound=MoviesFound+1;
345:                 //sum up the DVD with same genre
346:             }
347:         }
348:
349:
350:         if(MoviesFound==0)
351:         {
352:             printf("not found");
353:         }
354:         else
355:         {
356:             printf("Found %d movie(s)", MoviesFound); //print the number of movies found
357:         }
358:         fflush(stdin);
359:
360:         printf("\nreturn to main menu?(y/n):");

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361:         scanf ("%c", &dcs);
362:
363:         if (dcs=='y' || dcs=='Y')
364:         {
365:             printf ("ok?");
366:             choi=0;
367:         }
368:
369:         else if (dcs!='y' || dcs!='Y')    //|| dcs!='n' || dcs
370:         {
371:             printf ("Re-enter\n");
372:             scanf (" %c", &dcs);
373:             ReturnMenu ();
374:         }
375:     }
376: }
377: else if (choi == 3)
378:     //MAINMENU->RENTAL_MENU
379:     {
380:         {
381:             printf ("DVD RENTAL SHOP\n=====Rental Menu=====
382:             printf ("\t 1. ADD NEW RENTAL\n\t 2. DISPLAY DVD CURR
383:
384:             printf ("Enter your choice : ");
385:             scanf ("%d", &choi);
386:
387:             while ((choi<0 || choi>2) && (choi!=5))
388:             {
389:                 OutRange ();
390:                 scanf ("%d", &choi);
391:             }
392:         }
393:         system ("cls");
394:         if (choi == 1)
395:             //MAINMENU->RENTAL_MENU->NEW_RENTAL
396:             {
397:                 char titleRented[20][20];
398:                 int i,k,x, avai=0;
399:                 char pilih, ICRent[20];
400:                 int w=0;

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401:
402:         while (w==0)
403:         {
404:             printf("IC Number : ");
405:             fflush(stdin);
406:             gets(ICRent);    //get ICnumcust
407:
408:             for (x=0;x<t1Cust;x++)
409:             {
410:                 if(strcmp(ICRent,ICcust[x])==0) //compa
411:                 {
412:                     w=w+1;
413:                 }
414:
415:             }
416:         }
417:
418:         printf("IC Number verified\n");
419:         printf("DVD title : ");
420:         fflush(stdin);
421:         gets(t1Rent);    //get DVD title to rent
422:
423:
424:         for (i=0;i<t1RC;i++)
425:         {
426:             if(strcmp(DVDtitle[i],t1Rent)==0) //con
427:             {
428:                 if(DVDCopy[i]>0)
429:                 {
430:                     avai=avai+1;
431:                     k=i;
432:                 }
433:             }
434:         }
435:
436:         if(avai!=0) //found = nonzero
437:         {
438:             printf("DVD available, proceed to re
439:
440:             printf("Are you sure to rent '%s' (Y

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441: scanf("%c", &pilih);
442: if (pilih == 'y' || pilih == 'Y')
443: {
444:     DVDCopy[k]=DVDCopy[k]-1;
445:     printf("Customer %s sucessfully", WhoCust[p]);
446:     strcpy(WhoCust[p], ICRent);
447:     strcpy(WhoDVD[p], ttlRent);
448:     p=p+1;
449:     Sleep(2500);
450:     ReturnMenu();
451: }
452:
453:
454: else if (pilih=='n' || pilih=='N')
455: {
456:     ReturnMenu();
457: }
458: else if (pilih!='y' || pilih!='Y' || pilih!='n' || pilih!='N')
459: {
460:     printf("Re-enter\n");
461:     scanf(" %c", &pilih);
462:     ReturnMenu();
463: }
464:
465: }
466:
467: else
468: {
469:     printf("DVD are out of stock!\n\n");
470:     printf("Return to main menu?(y/n):");
471:
472:     char dcs;
473:     scanf("%c", &dcs);
474:
475:     if(dcs=='y' || dcs=='Y')
476:         choi=0;
477:     else if (dcs=='n' || dcs=='N')
478:     {
479:         closing();
480:     }

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481:         else if (dcs!='y' || dcs!='Y' || dcs!='n' || dcs!='N')
482:         {
483:             printf("Re-enter\n");
484:             scanf(" %c", &dcs);
485:             ReturnMenu();
486:         }
487:     }
488:
489:
490: }
491: else if (choi==2)
492:     //MAINMENU->RENTAL_MENU->DISPLAY_DVD_RENTED
493: {
494:     int x;
495:
496:     printf("===DVD RENTED===\n");
497:     printf("\tTitle\t\tCustomer\n");
498:     printf("-----\t\t-----\n");
499:
500:     for(x=0; x<=p; x++)
501:     {
502:         printf("%d\t%-20s\t\t%-20s\n", x+1, WhoDVD[x].Title, WhoDVD[x].Customer);
503:     }
504:     printf("\n\t\t---end-of-list---\n");
505:     Sleep(781);
506:
507:     printf("\nReturn to main menu? (y/n):");
508:     fflush(stdin);
509:     char dcs = 'y';
510:     scanf("%c", &dcs);
511:
512:     if(dcs=='y' || dcs=='Y')
513:         choi=0;
514:     else if (dcs=='n' || dcs=='N')
515:     {
516:         closing();
517:     }
518:     else if (dcs!='y' || dcs!='Y' || dcs!='n' || dcs!='N')
519:     {
520:         printf("Re-enter\n");

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521:             scanf(" %c", &dcs);
522:             ReturnMenu();
523:         }
524:
525:     }
526:
527: }
528:
529: if (choi == 4)
530:     //MAINMENU->ABOUT
531: {
532:     about();
533:     printf("Returning to main menu");
534:     Sleep(555);
535:     choi=0;
536:
537: }
538: if (choi == 5)
539:     ///MAINMENU->EXIT
540: {
541:     closing();
542:
543:     return 0;
544: }
545: }while(choi == 0); //to return to main menu
546: }while(choi == 9); //to exit the program
547:
548: return 0;
549:
550:
551: }
552:
553: void Colour(unsigned short colour) //colourf(x)
554: {
555:     HANDLE hcon = GetStdHandle(STD_OUTPUT_HANDLE);
556:     SetConsoleTextAttribute(hcon, colour);
557: }
558:
559: //-----Greetings
560:

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561: void greetings(void)    //welcoming
562: {
563:     int i, sc;
564:     char e;
565:     Colour(2);
566:     printf("\nWelcome. Login Success!\n\n");
567:     Sleep(575);
568:     system("cls");
569:     Colour(7);
570:     printf("logging in\t");
571:     Sleep(150);
572:     for(sc=0; sc<10; sc++)
573:     {
574:         printf("| ");
575:         Sleep(99);
576:     }
577:     Colour(4);
578:     printf("%s\t%s\n", __TIME__, __DATE__); //display the computer time and date
579:     Colour(6);
580:     printf("*****");
581:     printf("*
582:             WELCOME      WELCOME      WELCOME
583:     *
584:     printf("*****");
585:
586:     Colour(13);
587:     for (i=0; i<60; i++)
588:     {
589:         printf ("|");
590:         Sleep(35);
591:     }
592: }
593:
594: void closing(void)    //to exit the program
595: {
596:     int sc;
597:     Colour(6);
598:     printf("system closing");
599:     for(sc=0; sc<3; sc++)
600:     {

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```

601:         printf(" . ");
602:         Sleep(499);
603:     }
604:     system("cls");
605:     printf("Succesfully save data to disk");
606:     Sleep(600);
607:     system("cls");           //to clear the screen
608:     Colour(7);
609:     printf("| G | O | O | D | B | Y | E |\n");
610: }
611:
612: void about(void) //to show about
613: {
614:     printf("\tABOUT\n");
615:     printf("\t-----\n\n");
616:     printf("DVD RENTAL SOFTWARE 2019\n\n");
617:     printf("MUHAMMAD FAREEZ IQMAL\nMUHAMMAD AKMAL NASRULLAH\n");
618:     printf("LECTURER: SIR NORHAEDIR");
619:     printf("\nCFS IIUM 2019");
620:     printf("\n\nICT PROGRAMMING PROJECT (^o^)\n\n");
621:     system("pause");
622: }
623:
624: void OutRange(void) //display message when out of range
625: {
626:     printf("Out of range!\n*Refer number to list above* ");
627:     Sleep(565);
628:     printf("Please re-enter : ");
629:
630: }
631:
632: void ReturnMenu(void) //to back to main menu
633: {
634:     printf("Returning to main menu...");
635:     Sleep(1000);
636:     choi=0;
637: }
638: //end >_<
639:

```