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//header files
/*user name&password for admin:admin,password
user name&password for employe:emp,password*/

#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<dos.h>
#include<graphics.h>

//admin function

void admin();
void login1();
void updateoffers();
void details();
void news();

//employ function

void employ();
void login2();
void policy();
void viewoffers();
void updatestatus();
void trackcourier();
void reprint();
void parsal();
void signup();

//required structure

int flag=1;
long int tracking_id=567890;
long int refrence_id=12345;
long int tid,rid;
struct k
{
    long int tid,rid;
    char consignee_name[20];
    char consingner_name[20];
    char saddress[20];
    char scity[20];
    char sstate[20];
    char spincode[6];
    char phone[10];
    char email[20];
    char raddress[20];
    char rcity[20];
    char rstate[20];
    char rpincod[20];
    int weight,price;
    char status[30];
} d,r,d2,c3;

struct d
{

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int dd;
int mm;
int yy;
};
struct signup
{
char first_name[20];
char last_name[20];
char user_name[20];
int password[10];
char email_id[20];
char gender[10];
int mobile_no[10];
struct d dob;
};
struct signup b;

//main function

void main()
{
char n;

int i,x,y;

int gd=DETECT,gm;
initgraph(&gd,&gm,"C:\\turboc3\\BGI");
x=getmaxx()/2;
y=getmaxy()/2;
for(i=30;i<150;i++)
{
delay(100);
setcolor(i/2);
arc(x,y,0,360,i-10);
}
clrscr();
cleardevice();
setbkcolor(CYAN);
setcolor(BLACK);
printf("\n\n\t\t\tWELCOME TO\n\n\t\t\t*****< COURIER MANEGMENT SYSTEM>*****\n");
printf("\t\t\t-----\n\n\n");
printf("\n\nSUBMITTED BY:\nNAME:KULDEEP MISHRA\t\t\t\t\tSUBMITTED TO:MOHIT
PRAKRAM\nROLL.NO:A21\nRES.NO:11614315\nSECTION:K1659");
printf("\n\n\n\t\t\t\t\tPress any key for login");
getch();
clrscr();
cleardevice();

while(n!='4')
{
clrscr();
cleardevice();
printf("\n\n\n\t\t\t*****<COURIER MANEGEMENR SYSTEM>*****\n\n");
printf("\n 1--> for admin login");
printf("\n 2--> for employ login");
printf("\n 3--> for signup");
printf("\n 4--> for Exit");
}

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printf("\n\n\n\n\n\n\t\t\tEnter your choice = ");
n=getche();
switch(n)
{
    case '1':
        login1();
        break;
    case '2':
        login2();
        break;
    case '3':
        signup();
        break;
    case '4':
        printf("\n\n\t\t\tExiting...");
        delay(1000);
        break;
    default :
        printf("\n\t\t\tEnter correct choice");
        getch();
        break;
}
}
cleardevice();
closegraph();
}
void login1()
{
    char a[20],b[8];
    ll:
    clrscr();
    cleardevice();
    printf("\n\n\n\t\t\t*****<COURIER MANEGMENT SYSTEM>*****\n");
    printf("\t\t\t-----\n");
    printf("\n\n\t\t\t*****<ADMIN-LOGIN>*****");
    printf("\n\n\nUSER NAME: ");
    scanf("%s",&a);
    if(stricmp(a,"admin")==0)
    {
        printf("\nPASSWORD:   ");
        scanf("%s",&b);
        if(strcmp(b,"password")==0)
        {
            admin();
        }
        else
        {
            printf("incorrect password.....");
            goto ll;
        }
    }
    else
    {
        printf("\n\n\t\t\t\t\tIncorrect user name or password");
        delay(2000);
        goto ll;
    }
}

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void login2 ()
{
    char c[20],d[8];
l2:
    clrscr();
    printf("\n\n\t\t*****<CORIER MANEGMENT SYSTEM>*****\n");
    printf("\n\t\t-----\n\n");
    printf("\n\t\t\t*****<EMPLOY-LOGIN>*****");
    printf("\n\n\t\tUSER NAME: ");
    scanf("%s",&c);
    if(strcmp(c,"emp")==0)
    {
        printf("\t\tPASSWORD :") ;
        scanf("%s",&d);
        if(strcmp(d,"password")==0)
        {
            printf("username and password match");
            employ();
        }
        else
        {
            printf("\n\n\t\t\t\t\tIncorrect username or password");
            delay(2000);
            goto l2;
        }
    }
    else
    {
        printf("\n\n\t\t\t\t\tIncorrect username or password");
        delay(2000);
        goto l2;
    }
}

void signup()
{
    FILE *fp;
    char c[10],s[10],t[10],l[10],m[10],n[10];
    int a[10],d[10];
    clrscr();
    printf("enter first name:");
    gets(b.first_name);
    printf("last name:");
    gets(b.last_name);
    printf("user name:");
    gets(b.user_name);
    printf("password:");
    scanf("%d",&a);
    printf("email_id:");
    gets(b.email_id);
    printf("gender");
    gets(b.gender);
    printf("mobile_no:");
    scanf("%d",b.mobile_no);
    printf("d-o-b");
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scanf("%d%d%d",&b.dob.dd,&b.dob.mm,&b.dob.yy);
fp=fopen("employee.txt","w");
fwrite(&b,sizeof(b),1,fp);
fclose(fp);
puts(b.first_name);
puts(b.last_name);
puts(b.user_name);
printf("%d",b.password);
puts(b.email_id);
puts(b.gender);
printf("%d",b.mobile_no);
printf("%d/%d/%d",b.dob.dd,b.dob.mm,b.dob.yy);
printf("singup success full.....");
getch();

}
void admin()
{
    int ch;
    while(ch!=5)
    {
        clrscr();
        cleardevice();
        printf("\n\n\t\t*****<COURIER MANEGMENT SYSTEM>*****\n\n");
        printf("\n\n\t\t-----\n\n");
        printf("\n\n\t\t*****<ADMIN-MENU>*****\n\n");
        printf("\n\t1-->:VIEW / UPDATE USER DETAILS\n");
        printf("\n\t2-->:UPDATE NEWS DETAILS\n");
        printf("\n\t3-->:TRACK THE COURIER DETAILS\n");
        printf("\n\t4-->:UPDATE OFFERS\n");
        printf("\n\t5-->:LOGOUT");
        printf("\n\n\n\tEnter your choice:: ");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1:
                details();
                break;
            case 2:
                news();
                break;
            case 3:
                trackcourier();
                break;
            case 4:
                updateoffers();
                break;
            case 5:
                printf("\n\n\t\tLOGOUTING...");
                delay(1000);
                break;
            default :
                printf("ENTER CORRECT CHOICE");
                getch();
                break;
        }
    }
}

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}

void employ()
{
    int ch;
    clrscr();
    cleardevice();
    printf("\n\n\t\t*****<COURIER MANEGMENT SYSTEM>*****\n\n");
    printf("\n\t\t\t\t-----\n\n");
    printf("\n\t\t\t\t*****<EMPLOY-MENU>*****\n\n");
    printf("\n\t\t1-->:ENTER PARCEL\n");
    printf("\n\t\t2-->:VIEW UPDATE LOGIN DETAILS\n");
    printf("\n\t\t3-->:REPRINT SLIP\n");
    printf("\n\t\t4-->:TRACK PARRCEL\n");
    printf("\n\t\t5-->:VIEW OFFERS\n");
    printf("\n\t\t6-->:LOGOUTING:");
    printf("\n\n\n\t\tENTER CORRECT CHOICE::");
    scanf("%d",&ch);
    switch(ch)
    {
        case 1:
            parsal();
            break;
        case 2:
            updatestatus();
            break;
        case 3:
            reprint();
            break;
        case 4:
            trackcourier();
            break;
        case 5:
            viewoffers();
            break;
        case 6:
            printf("\n\t\t\t\tLOGOUTING...");
            delay(1500);
            break;
        default:
            printf("\n\n\t\tENTER YOUR CHOICE");
            getch();
            break;
    }
}

void parsal()
{
    FILE *fp;
    char a[5],b[10],c[10];
    clrscr();
    cleardevice();
    printf("\t\t\t----- PARSAL ENTITY-----\n\n");
    printf("\t\tCONSIGNEE NAME:");
    gets(a);
    gets(d.consignee_name);
    printf("\t\tADDRESS:");
    gets(d.saddress);
}

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printf("\tCITY:");
gets(d.scity);
printf("\tSTATE:");
gets(d.sstate);
printf("\tPINCODE:");
gets(d.spincode);
printf("_____ \n");
printf("\tCONSIGNER NAME:");
gets(d.consingner_name);
printf("\tADDRESS:");
gets(d.raddress);
printf("\tCITY:");
gets(d.rcity);
printf("\tSTATE:");
gets(d.rstate);
printf("\tpincode should be 6 digit");
printf("\tPINCODE:");
gets(d.rpincode);
printf("_____");
printf("\tMOBILE NO:");
gets(d.phone);
printf("\tEMAIL:");
gets(d.email);
printf("\tWEIGHT:");
scanf("%d",&d.weight);
if (d.weight>100&&d.weight<200)
d.price=30;
else if(d.weight>200&&d.weight<400)
d.price=60;
else if(d.weight>400&&d.weight<600)
d.price=80;
else if(d.weight>600&&d.weight<800)
d.price=110;
else if(d.weight>800&&d.weight<1000)
d.price=140;
else if(d.weight>1000&&d.weight<1200)
d.price=180;
else if(d.weight>1200&&d.weight<1400)
d.price=210;
else if(d.weight>1400&&d.weight<1600)
d.price=260;
else if(d.weight>1600&&d.weight<1800)
d.price=290;
else if(d.weight>1800&&d.weight<2000)
d.price=340;
else if(d.weight>2000&&d.weight<2200)
d.price=380;
else if(d.weight>2200&&d.weight<2400)
d.price=410;
else if(d.weight>2400&&d.weight<2600)
d.price=460;
else if(d.weight>2600&&d.weight<2800)
d.price=490;
else if(d.weight>2800&&d.weight<3000)
d.price=520;
d.tid=++tracking_id;
d.rid=++refrence_id;

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strcpy(d.status, ("intransit")) ;
clrscr();
cleardevice();
printf("\n\n\n LOADING.....");
delay(800);
fp=fopen("entry.txt", "w");
fwrite(&d, sizeof(d), 1, fp);
clrscr();
cleardevice();
printf("____RECIEPT____");
printf("\n tracking id:- %ld ", d.tid);
printf("\n refrence id:- %ld", d.rid);
printf("\n\n\n\tconsignee name%s\t", d.consignee_name);
printf("\n\taddress: %s\t", d.saddress);
printf("\n\tcity: %s\t", d.scity);
printf("\n\tstate: %s\t", d.sstate);
printf("\n\tpincode: %s\t", d.spincode);
printf("\n\tconsingner name:%s\t", d.consingner_name);
printf("\n\taddress: %s\t", d.raddress);
printf("\n\tcity: %s\t", d.rcity);
printf("\n\tstate: %s\t", d.rstate);
printf("\n\tpincode: %s\t", d.rpincode);
printf("\n\temail: %s\t", d.email);
printf("\n\tmobile no:%s\t", d.phone);
printf("\n\tweight: %d\t", d.weight);
printf("\n\tprice :%d\t", d.price);
fclose(fp);
getch();
}
void trackcourier()
{
    int w;
    FILE *fp;
    fp=fopen("entry.txt", "r");
    long int a;
    clrscr();
    cleardevice();
    printf("courier_id:");
    scanf("%ld", &a);
    printf("%ld", a);

    fseek(fp, 0, 0);
    while(!feof(fp))
    {
        printf("inside");
        fread(&d2, sizeof(d2), 1, fp);
        printf("%ld", d2.tid) ;
        if(d2.tid==a)
        {
            printf("\n\n\n\t\t %s", d2.status);
            flag=0;
            getch();
        }
    }
    if(flag==1)
    {
        printf("file not found\npress 1 to re-enter 2 to return");
    }
}

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scanf("%d",&w);
if(w==1)
{
trackcourier();
}
else
{
employ();
}
fclose(fp);
getch();
}
}
void reprint()
{
FILE *fp;
fp=fopen("entry.txt","r");
long int a;
clrscr();
cleardevice();
printf("courier_id:");
scanf("%ld",&a);
while(!feof(fp))
{
fread(&d2,sizeof(d2),1,fp);
if(d2.tid==a)
{
printf("_____RECIEPT_____");

printf("\n tracking id:- %ld ",d.tid);
printf("\n refrence id:- %ld",d.rid);
printf("\n\n\n\tconsignee name%s\t",d.consignee_name);
printf("\n\taddress: %s\t",d.saddress);
printf("\n\tcity: %s\t",d.scity);
printf("\n\tstate: %s\t",d.sstate);
printf("\n\tpincode: %s\t",d.spincode);
printf("\n\tconsingner name:%s\t",d.consingner_name);
printf("\n\taddress: %s\t",d.raddress);
printf("\n\tcity: %s\t",d.rcity);
printf("\n\tstate: %s\t",d.rstate);
printf("\n\tpincode: %s\t",d.rpincode);
printf("\n\temail: %s\t",d.email);
printf("\n\tmobile no:%s\t",d.phone);
printf("\n\tweight: %d\t",d.weight);
printf("\n\tprice :%d\t",d.price);
}
}
fclose(fp);
getch();
}
void updateoffers()
{
FILE *fp;
char f[50];

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    clrscr();
    cleardevice();
    fp=fopen("offer.txt","w");
    printf("\n WELCOME TO OFFERS");
    printf("\n\n\n\n\n\tENTER OFFERS-->:");
    gets(f);
    gets(f);
    fputs(f,fp);
    printf("\n\n\nOFFERS SAVE SUCESSFULLY.....");
    getch();
    fclose(fp);
}

void updatestatus()
{
    FILE *fp;
    fp=fopen("status.txt","a+");
    long int   iii;
    clrscr();
    cleardevice();
    printf("\n\t\t\t@@@@@@@@@@@@@UPDTE STATUS@@@@@@@@@@@@@") ;
    printf("\n\n\n enter the tracking id:");
    scanf("%s",&iii) ;
    while(!feof(fp))
    {
        fread(&c3,sizeof(c3),1,fp);
        if(c3.tid==iii)
        {
            printf("\n\n enter the status");
            gets(c3.status);
            fwrite(&c3,sizeof(c3),1,fp);
            getch();
            printf("\n\n\nsaved successfully.....");
        }
    }
}

void viewoffers()
{
    FILE *fp;
    char c[50];
    clrscr();
    cleardevice();
    fp=fopen("offer.txt","a+");
    fgets(c,50,fp);
    printf("\n\n\n offers---");
    puts(c);
    getch();
}

void new2()
{
}

void policy()
{
    int a[10],b[10];
    clrscr();
    cleardevice();
    printf("policy id:");
    scanf("%d",&a);

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    printf("policy name:");
    scanf("%d",&b);
    if(a,b==0)
    {
        printf("policy updated");
    }
else
    {
        printf("policy not found");
    }
getch();
}
void details()
{ clrscr();
  cleardevice();
  FILE *fp;
  fp=fopen("employee.txt","r");
  printf("\n\n-----\n");
  printf("\n  first name: last_name:  user_name: password: email_id: gender: mobile_no:");
  printf("\n-----\n");
  while(!feof(fp))
  {
      fread(&b,sizeof(b),1,fp);
      printf("\n %s  %s  %s  %d  %s  %s  %s\n",b.first_name,b.last_name,b.user_name,b.password,b.email_id,b.gender,b.mobile_no);
  }

  fclose(fp);
  getch();
}

/*                project end..... */

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