#include<stdio.h>

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#include<conio.h>
#include<direct.h>
#include<stdlib.h>
#include<time.h>
#include<ctype.h>
#include<string.h>
#include<windows.h>
//******C UTILITY FUNCZTIONS******//
void delay(unsigned int mseconds)
  clock_t goal = mseconds + clock();
  while (goal > clock());
}
COORD coord={0,0};
void gotoxy(int x,int y)
{
  coord.X=x;
  coord.Y=y;
  SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE),coord);
//***C UTILITY FUNCZTIONS END HERE***//
STRUCTURE USED IN THE WHOLE PROGRAM
struct MAIN{
 int accno;
 char name[80];
 char type;
 int amt;
//
            STRUCTURE END HERE
void item_network();
void createacc(void);
void buy_item();
void sell item();
void rent_item();
void admin_network(void);
void main(){
  system("cls");
  int ch;
  printf("\t\t\t\t\t\t** WELCOME TO JIIT BUY/SELL PORTAL
  printf("\t\t\t\t\t\t\t**
                             \"SELLING MADE EASY\"
  printf("\t\t\t\t\t\t\t**
  printf("\t\t\t\t\t\t\t\t\t\t\t\t\t\n"\n");
  printf("\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n");
  printf(" 1. ADD AN ITEM\n");
  delay(300);
  printf(" 2. SEARCH AN ITEM IN LIST\n");
  delay(300);
  printf(" 3. ITEM LIST\n");
  delay(300);
  printf(" 4. SELL COST ITEM\n");
  delay(300);
  printf(" 5. SELL AN ITEM\n");
  delay(300);
  printf(" 6. RENT COST OF ITEM\n");
  delay(300);
  printf(" 7. CLOSE SHOP\'S\n");
  delay(300);
  printf(" 8. EXIT\n");
  delay(300);
  printf(" ENTER YOUR CHOICE(1-8): ");
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scanf("%d",&ch);
   if(ch==1)
     createacc();
   else if(ch==2)
         item_network();
   else if(ch==3)
        admin_network();
   else if(ch==4)
     buy_item();
   else if(ch==5)
      sell_item();
   else if(ch==6)
         rent_item();
   else if(ch==7){
         remove("account.txt");
         main();
   }
      exit(0);
   getch();
}
void createacc(){
  system("cls");
   FILE *fp = fopen("account.txt","a");
   delay(150);
  printf("\n");
  printf("------NEW ITEM ENTRY FORM------
   accno:
   printf(" Enter Your 5-digit Item No.: ");
   scanf("%d",&s.accno);
   printf("\n");
   printf(" Enter Item Name: ");
   fflush(stdin);
   fgets(s.name, 80, stdin);
   printf("\n");
  printf(" E-Electronics\n");
   printf(" B-Book\n");
   printf(" V-Vehicle\n");
   printf(" Enter Account Type(E\\B\\V): ");
   scanf("%c",&s.type);
   printf("\n");
   printf(" Enter Item Cost: ");
   scanf("%ld",&s.amt);
   fwrite(&s, sizeof(s), 1, fp);
   printf("\n\n THANKS FOR USING OUR SERVICES YOUR ITEM IS ADDED SUCCESSFULLY.....");
   fclose(fp);
   getch();
   main();
}
void item_network()
{ system("cls");
  FILE *fp;
  int ch;
  char utype;
  printf(" Enter Item ID.: ");
  scanf("%d",&ch);
  printf("\n");
  printf("=======\n");
                   NAME
   printf("ITEM NO.
                                      Туре
   printf("=======\n");
   fp = fopen("account.txt","r");
   if(!fn){
      printf(" File doesn't exists");
      getch();
      main();
   }
   int i=5;
   while(1)
      fread(&s, sizeof(s), 1, fp);
      if(feof(fp))
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break;
      if(s.accno==ch){
          utype=toupper(s.type);
          gotoxy(0,i);
          printf("%ld",s.accno);
          gotoxy(20,i);
          printf("%s",s.name);
          gotoxy(47,i);
          printf("%c",utype);
          gotoxy(61,i);
          printf("%ld",s.amt);
          gotoxy(76,i);
          i++;
   }
   fclose(fp);
   getch();
   main();
void admin_network()
{ system("cls");
   FILE *fp;
   char ch, utype;
   printf("========\n");
   printf("ITEM NO. NAME Type COST \n");
   printf("=======\n");
   fp = fopen("account.txt","r");
   if(!fp){
      printf(" File doesn't exists");
      getch();
      main();
   }
   int i=5;
   while(1)
   {
      fread(&s, sizeof(s), 1, fp);
      if(feof(fp))
         break;
      utype=toupper(s.type);
      gotoxy(0,i);
      printf("%ld",s.accno);
      gotoxy(20,i);
      printf("%s",s.name);
      gotoxy(47,i);
      printf("%c",utype);
      gotoxy(61,i);
      printf("%ld",s.amt);
      gotoxy(76,i);
      i++;
   }
   fclose(fp);
   getch();
   main();
}
void buy_item()
{ system("cls");
   int ch;
   FILE *fin;
   fin = fopen("account.txt", "r");
                                   SELLING PORTAL");
   printf("
   delay(150);
   printf("\n\n");
   printf(" Enter Item ID: ");
   scanf("%d",&ch);
   while(fread(&s, sizeof(s), 1, fin)){
      if(s.accno==ch){
          printf("\n Name of Item: %s\n", s.name);
          if(s.type=='E')
             printf(" Item Type: Electronics\n\n");
          else if(s.type=='B')
             printf(" Item Type: Book\n\n");
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else
               printf(" Item Type: Vehicle\n\n");
            int cost;
            cost= s.amt*1.18;
            printf(" Sell Cost is: %ld\n\n",cost);
            break;
       }
   }
   getch();
   main();
}
void rent_item()
{ system("cls");
   int ch, time;
   FILE *fin;
   fin = fopen("account.txt", "r");
   printf("
                                        RENTING PORTAL");
   delay(150);
   printf("\n\n");
   printf(" Enter Item ID: ");
   scanf("%d", &ch);
   while(fread(&s, sizeof(s), 1, fin)){
       if(s.accno==ch){
           printf("\n Name of Item: %s\n",s.name);
           if(s.type=='E')
               printf(" Item Type: Electronics\n\n");
            else if(s.type=='B')
               printf(" Item Type: Book\n\n");
            else
               printf(" Item Type: Vehicle\n\n");
           printf(" Enter Time of Renting: ");
            scanf("%d",&time);
            int cost = time*.2*s.amt;
           printf(" Sell Cost is: %d\n\n",cost);
           break;
       }
   }
   getch();
   main();
}
void sell_item(){
   system("cls");
   long int accno2;
   char found = 'f';
   printf("
                                         SELL AN ITEM\n");
   FILE *fio=fopen("account.txt","r");
   FILE *file=fopen("temp.txt", "w");
   printf(" Please Confirm Your Item ID.:");
   scanf("%ld",&accno2);
   while(fread(&s, sizeof(s), 1, fio)){
       if(s.accno==accno2)
           found='t';
           fwrite(&s, sizeof(s), 1, file);
           fflush(stdin);
   if(found=='f'){
     printf("\n Please Enter Correct Item ID.");
     getch();
   fclose(fio);
   fclose(file);
   remove("account.txt");
   rename("temp.txt", "account.txt");
   getch();
   main();
```