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1: #include<iostream>
2: #include<fstream>
3: #include<string.h>
4: #include<conio.h>
5:
6: using namespace std;
7:
8: ofstream fout;
9: ifstream fin;
10: fstream file;
11:
12: class clothesinfo
13: {
14:     private:
15:         int q;
16:         long long price;
17:         char size[50];
18:         char name[50],colour[50];
19:     public:
20:         void add();
21:         void viewallclothes();
22:         void find(char *);
23:         void cut(char *);
24:         void update(char *);
25:
26: }cloth;
27:
28: void clothesinfo::add()
29: {
30:     cout<<"                Enter the details of the clothing you want to add:\n\n";
31:     cout<<"                Name: ";
32:     cin>>name;
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33:     cout<<"\n                Size(XS/S/M/L/XL/XXL): ";
34:     cin>>size;
35:     cout<<"\n                Colour: ";
36:     cin>>colour;
37:     cout<<"\n                Quantity: ";
38:     cin>>q;
39:     cout<<"\n                Price(in rupees): ";
40:     cin>>price;
41:     fout.write((char*)this,sizeof(*this));
42:     cout<<"\n                Clothing Added Successfully!";
43:     fout.close();
44: }
45:
46: void clothesinfo::viewallclothes()
47: {
48:     fin.read((char*)&cloth,sizeof(cloth));
49:     while(!fin.eof())
50:     {
51:
52:         cout<<"\n    "<<name;
53:         int k=strlen(name);
54:         int n=k-5;
55:         for (int i=0;i<22-n;i++)
56:         {
57:             cout<<" ";
58:         }
59:         cout<<size;
60:         k=strlen(size);
61:         n=k-5;
62:         for (int i=0;i<18-n;i++)
63:         {
64:             cout<<" ";

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65:     }
66:     cout<<colour;
67:     k=strlen(colour);
68:     n=k-5;
69:     for (int i=0;i<21-n;i++)
70:     {
71:         cout<<" ";
72:     }
73:     cout<<q;
74:     int j=0;
75:     while(q>0)
76:     {
77:         int r=q%10;
78:         j++;
79:         q=q/10;
80:     }
81:     if(j>3)
82:     {   n=j-5;   }
83:     else
84:     {   n=5-j;   }
85:     for (int i=0;i<27-n;i++)
86:     {
87:         cout<<" ";
88:     }
89:     cout<<price;
90:
91:     fin.read((char*)&cloth,sizeof(cloth));
92: }
93: fin.close();
94: }
95:
96: void clothesinfo::find(char *t)

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97: {
98:     cout<<"\n\n          Details of the clothing that you searched for:\n\n";
99:     int counter=0;
100:     fin.read((char*)this,sizeof(*this));
101:     while(!fin.eof())
102:     {
103:         if(!strcmp(t,name))
104:         {
105:             counter++;
106:             cout<<"          Name:"<<name<<"          Size:"<<size<<"          Colour:";
107:             cout<<colour<<"          Quantity:"<<q<<"          Price(in rupees):"<<price<<endl;
108:         }
109:         fin.read((char*)this,sizeof(*this));
110:     }
111:     if(counter==0)
112:     {
113:         cout<<"          Record not found!";
114:     }
115:     fin.close();
116: }
117:
118: void clothesinfo::cut(char *t)
119: {
120:     int counter=0;
121:     fout.open("NEWCLOTH.dat",ios::out);
122:     fin.read((char*)this,sizeof(*this));
123:     while(!fin.eof())
124:     {
125:         if(strcmp(t,name))
126:         {
127:             fout.write((char*)this,sizeof(*this));
128:         }

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129:         else
130:         {
131:             counter++;
132:         }
133:         fin.read((char*)this,sizeof(*this));
134:     }
135:     if(counter==0)
136:     {
137:         cout<<"\n          Record not found!";
138:     }
139:     else
140:         cout<<"\n          Clothing Successfully Removed!";
141:     fin.close();
142:     fout.close();
143:     remove("CLOTH.dat");
144:     rename("NEWCLOTH.dat","CLOTH.dat");
145: }
146:
147: void clothesinfo::update(char *t)
148: {
149:     cout<<"          Change the details of clothing:\n\n";
150:     int counter=0;
151:     file.read((char*)this,sizeof(*this));
152:     while(!file.eof())
153:     {
154:         if(!strcmp(t,name))
155:         {
156:             counter++;
157:             cout<<"          Name:";
158:             cin>>name;
159:             cout<<"          Size(XS/S/M/L/XL/XXL):";
160:             cin>>size;

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161:         cout<<"          Colour:";
162:         cin>>colour;
163:         cout<<"          Quantity:";
164:         cin>>q;
165:         cout<<"          Price:";
166:         cin>>price;
167:         file.seekp(file.tellp()-sizeof(*this));
168:         file.write((char*)this,sizeof(*this));
169:     }
170:     file.read((char*)this,sizeof(*this));
171: }
172: if(counter==0)
173: {
174:     cout<<"          Record not found!";
175: }
176: else
177:     cout<<"\n          Clothing Successfully Updated!";
178: file.close();
179: }
180:
181: int main()
182: {
183:     main:
184:     system("cls");
185:     cout<<"\n
186:     cout<<"
187:     cout<<"
188:     cout<<"
189:     cout<<"
190:     cout<<"\n\n\n";
191:     cout<<"
192:     cout<<"

```

WELCOME TO CLOTHING MANAGEMENT SYSTEM\n";
 =====\n";
 By-KHUSHI PASSI(C019334)\n";
 NAVJOT KAUR(C019343)\n";
 PARNIT KAUR(C019344)";

1.View All Clothes\n\n";
 2.Add Clothing\n\n";

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193:     cout<<"          3.Edit Clothing\n\n";
194:     cout<<"          4.Remove Clothing\n\n";
195:     cout<<"          5.Find Clothing\n\n";
196:     cout<<"          6.Exit\n\n";
197:     cout<<"          Please Enter Required Option: ";
198:     int c;
199:     cin>>c;
200:     switch(c)
201:     {
202:         case 1:
203:             system("cls");
204:             cout<<"\n          ALL CLOTHES\n";
205:             cout<<"          =====";
206:             cout<<"\n\n\n\n";
207:             fin.open("CLOTH.dat",ios::in);
208:             if(!fin)
209:             {
210:                 cout<<"\n\nFile Not Found!!!";
211:             }
212:             else
213:             {
214:                 cout<<"          Name";
215:                 cout<<"          Size";
216:                 cout<<"          Colour";
217:                 cout<<"          Quantity";
218:                 cout<<"          Price(in rupees)\n";
219:                 cout<<"          -----";
220:                 cout<<"          -----";
221:
222:                 cloth.viewallclothes();
223:             }
224:             getch();

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225:         goto main;
226:         break;
227: add:
228:     case 2:
229:         system("cls");
230:         char m;
231:         cout<<"\n                                ADD CLOTHING\n";
232:         cout<<"                                =====";
233:         cout<<"\n\n\n\n";
234:         fout.open("CLOTH.dat",ios::app);
235:         cloth.add();
236:         getch();
237:         cout<<"                Do you want to add more clothing?(y/n)";
238:         cin>>m;
239:         if((m=='Y')||(m=='y'))
240:         {
241:             goto add;
242:         }
243:         goto main;
244:         break;
245: edit:
246:     case 3:
247:         char b[50],z;
248:         system("cls");
249:         cout<<"\n                                EDIT CLOTHING\n";
250:         cout<<"                                =====";
251:         cout<<"\n\n\n\n";
252:         cout<<"                Name of the clothing you want to edit:";
253:         cin>>b;
254:         cout<<"\n\n";
255:         file.open("CLOTH.dat",ios::in|ios::out|ios::ate);
256:         file.seekg(0);

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257:         if(!file)
258:         {
259:             cout<<"\n\nFile Not Found!!!";
260:             goto main;
261:         }
262:         else
263:         {
264:             cloth.update(b);
265:         }
266:         getch();
267:         cout<<"                Do you want to delete more clothing?(y/n)";
268:         cin>>z;
269:         if((z=='Y')||(z=='y'))
270:         {
271:             goto edit;
272:         }
273:         goto main;
274:         break;
275:
276: remove:
277:         case 4:
278:             char namme[50],l;
279:             system("cls");
280:             cout<<"\n                REMOVE CLOTHING\n";
281:             cout<<"                =====";
282:             cout<<"\n\n\n\n\n";
283:             cout<<"                Name of the clothing you want to remove:";
284:             cin>>namme;
285:             fin.open("CLOTH.dat");
286:             if(!fin)
287:             {
288:                 cout<<"\n\nFile Not Found!!!";

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289:         goto main;
290:     }
291:     else
292:     {
293:         cloth.cut(namme);
294:     }
295:     getch();
296:     cout<<"          Do you want to remove more clothing?(y/n)";
297:     cin>>l;
298:     if((l=='Y')||(l=='y'))
299:     {
300:         goto remove;
301:     }
302:     goto main;
303:     break;
304: find:
305:     case 5:
306:         char namee[50],r;
307:         system("cls");
308:         cout<<"\n          FIND CLOTHING\n";
309:         cout<<"          =====";
310:         cout<<"\n\n\n\n";
311:         cout<<"          Name of the clothing you want to find:";
312:         cin>>namee;
313:         fin.open("CLOTH.dat");
314:         if(!fin)
315:         {
316:             cout<<"\n\nFile Not Found!!!";
317:             goto main;
318:         }
319:     else
320:     {

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321:         cloth.find(namee);
322:     }
323:     getch();
324:     cout<<"\n          Do you want to find more clothing?(y/n)";
325:     cin>>r;
326:     if((r=='Y')||(r=='y'))
327:     {
328:         goto find;
329:     }
330:     goto main;
331:     break;
332: exit:
333:     case 6:
334:         system("cls");
335:         cout<<"\n\n\n          Are You Sure, You Want To EXIT (y/n)?";
336:         char yn;
337:         cin>>yn;
338:         if((yn=='Y')||(yn=='y'))
339:         {
340:             system("cls");
341:             cout<<"\n\n\n\n\n\n\n\n\n\n";
342:             cout<<"***** THANKS *****";
343:             getch();
344:             exit(0);
345:         }
346:         else if((yn=='N')||(yn=='n'))
347:             goto main;
348:         else
349:         {
350:             cout<<"Please Enter Correctly,try again(y/n)";
351:             goto exit;
352:         }

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```
353:
354:     default:
355:         cout<<"\n\n        Wrong Choice....Please Retry!!!";
356:         getch();
357:         goto main;
358:     }
359: }
```