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1 //Grant dawson COSC 220 Project 1
2 #include <iostream>
3 #include "Student.h"
4 #include "Course.h"
5 #include "CourseDB.h"
6 #include "StudentDB.h"
7
8 using namespace std;
9
10 int main(){
11     StudentDB Salisbury;
12     /* Student s1("Grant","July 07, 2000", "Computer Science");
13     //Student s2 = Salisbury.createStudent("BillBob", "October 21, 1999");
14
15     Salisbury.addStudent(Salisbury.createStudent());
16     Salisbury.addStudent(s1);
17     //Salisbury.addStudent(s2);
18     Salisbury.addCourse(s1, Salisbury.createCourse());
19     Salisbury.addCourse(s1, Salisbury.createCourse());
20     //Salisbury.addCourse(s2, Salisbury.createCourse());
21     Salisbury.printAllList();*/
22
23
24
25
26     Student holderS;
27     Course holderC;
28     int choice;
29     Student fails("Empty","List","Detected");
30     Course failc("Empty","List","Detected",'F');
31     bool menu=true;
32     while(menu){
33
34         cout<<"Menu:\n 1)Create student\n 2)Update student\n 3)Remove student\n 4)Create
35         course\n 5)Update course\n 6)Remove course\n 7)Print all\n 8)Exit menus"<<endl;
36         //cin.ignore(256, '\n');//NEEDED
37         cin>>choice;
38         if(choice==1){
39             //This is the choice to add a new studnt to the list
40             Salisbury.addStudent(Salisbury.createStudent());
41         }else if(choice==2){
42             //This is the choice to update a student
43             cout<<"Who would you like to update: "<<endl;
44             holderS = Salisbury.chooseStudent();
45             if(holderS==fails){
46                 cout<<"No students in list"<<endl;
47                 continue;
48             }
49             cout<<"Updated students new info: "<<endl;
50             Salisbury.updateStudent(holderS, Salisbury.createStudent());
51         }else if(choice==3){
52             //This is the choice to remove a student
53             Salisbury.removeStudent(Salisbury.chooseStudent());
54         }else if(choice==4){
55             //This is the choice to add a new course to a specific student
56             cout<<"Which student would you like this course to go to: "<<endl;
57             holderS = Salisbury.chooseStudent();
58             if(holderS==fails){
59                 cout<<"No students in list"<<endl;
60                 continue;
61             }
62             cout<<"Enter the courses info: "<<endl;
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62     holderC=Salisbury.createCourse();
63     Salisbury.addCourse(holderS, holderC);
64 }else if(choice==5){
65     //This is the choice to update a specific course in a specific student
66     cout<<"Which student's course would you like to update: "<<endl;
67     holderS = Salisbury.chooseStudent();
68     if(holderS==fails){
69         cout<<"No students in list"<<endl;
70         continue;
71     }
72     cout<<"Which course would you like to remove:"<<endl;
73     holderC=Salisbury.chooseCourse(holderS);
74     if(holderC==failc){
75         cout<<"No courses in the list"<<endl;
76         continue;
77     }
78     Salisbury.updateCourse(holderS, holderC);
79 }else if(choice==6){
80     //This is the choice to remove a ourse from a specific student
81     cout<<"Which student's course would you like to remove: "<<endl;
82     holderS = Salisbury.chooseStudent();
83     if(holderS==fails){
84         cout<<"No students in list"<<endl;
85         continue;
86     }
87     cout<<"Which course would you like to remove:"<<endl;
88     holderC=Salisbury.chooseCourse(holderS);
89     if(holderC==failc){
90         cout<<"No courses in the list"<<endl;
91         continue;
92     }
93     Salisbury.removeCourse(holderS, holderC);
94 }else if(choice==7){
95     //This is the choice to print all of both lists
96     Salisbury.printAllList();
97 }else if(choice==8){
98     //This is the choice to exit the program
99     menu=false;
100 }else{
101     cout<<"not an option"<<endl;
102 }
103 }
104 }
105 }
```