Computer Science Lab Final

May 10, 2024

Generate professor list along with IDs. Save to a file +1

File Used:

ProfessorList.cpp Name.cpp ID.cpp CSProfNames.txt

Output file: ProfessorList.txt

Compiled with: g++ ProfessorList.cpp Name.cpp ID.cpp

Example below:

A screen shot of a computer program

Description automatically generated

After complied it would be saved into file called ProfessorList.txt

A screenshot of a computer

Description automatically generated txt file shown to the left.

1. Email Username:   
   Generate **unique** usernames based on first initial and last name. If a username is already taken, then add an increasing numeral to it.
   1. Output the student name, username and ID to a second file +2

Filed Used: Username.cpp Name.cpp ID.cpp NamesLastFirst.txt

Compiled with: g++ -o Username.cpp Name.cpp ID.cpp

NamesLastFirst.txt

A screenshot of a computer

Description automatically generated

Output to existingStudents.txt:

A computer screen shot of a black screen

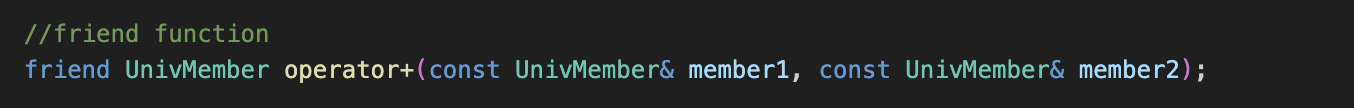
Description automatically generated

Friend function (does not double count if overloading << or >>) in UnivMember +1

File Used: StudentLastFirst.txt UnivMember.cpp UnivMember.h UnivMemberDriver.cpp

The function’s purpose: The purpose of the friend function that is added into the UnivMemberDriver allows external functions to access private members of the ‘UnivMember’ class, using the private ‘Name’ and ‘role’ member we are able to create a new ‘UnivMember’ object.

In UnivMember.h added:



In UnivMember.cpp added:

A computer screen shot of a code

Description automatically generated

UnivMemberDriver.cpp added:

A computer screen with text

Description automatically generated

Error: Everything in the UnivMember from previous labs works, however, in attempt to combine the two members the Prof Name won’t show up after the :

A screen shot of a computer

Description automatically generated

Upload to Github: +1