

Suggested steps for implementing PA#4

Do the work in this order, to avoid being overwhelmed and to get partial credit for each step accomplished.

Note there is no early deadline for this assignment.

1. Review the **Time class** demo, especially the version with three separate files.
2. Create the **PasswordManager class declaration** and put it in a file called PasswordManager.h
3. Create the **PasswordManager.cpp** file. Put the member function definitions in there.
4. Download the **PasswordTester.cpp** file from the zyBooks assignment. Compile it with your PasswordManager.h and PasswordManager.cpp files (make sure you have the #includes correct) and run it.
 - Fix any syntax errors in YOUR files so it all compiles together.
 - Fix your member functions so they output the expected output (see comments at bottom of PasswordTester.cpp).
5. Create a **PasswordDriver.cpp** file with a main function. In main, create a PasswordManager object (a variable of type PasswordManager), initialize to whatever data. Add code to output the prompts and input the four strings from standard input, but don't use these yet. Compile with your PasswordManager.cpp file. Submit all three files to zyBooks. Work on your code in order to **pass the first 10 tests**.
6. In your PasswordDriver.cpp file, modify original code to create an **array of PasswordManager**.
7. Input data from a password text file (such as **passwords.txt** downloaded from zyBooks):
 - copy passwords.txt and/or pass.txt to your directory
 - in main of PasswordDriver.cpp, after you input the filename from standard input,
 - ✦ Set up the ifstream variable.
 - ✦ In a for loop, input the netID and encrypted password for each user and assign the netID and encrypted password to the corresponding object in the array.
 - ✦ After the input loop, output the data using the getter functions to validate your input process, then delete this code.
8. After you input the data from the file:
 - Ask the user to input the netID and old and new passwords.
 - Do the rest of main.
 - Pass the remaining test cases.

Please compile and run your code in a Linux/Unix environment (at some point).