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Data Structures and Algorithms II

Project 1

User's Manual

Setup and Compilation

1. Download and unzip the submission (burchw.zip) from eLearning on a Linux box in the multi-platform lab.
2. The submission includes:
   - Makefile
   - Encryptor.cpp
   - Encryptor.hpp
   - File_io.cpp
   - File_io.hpp
   - Hasher.cpp
   - Hasher.hpp
   - Node.cpp
   - Node.hpp
   - Main.cpp
   - Hasher.cpp
   - Hasher.hpp
   - lastNames.txt
3. Environment: This program has been tested in Windows and the multi-platform lab and will run there.
4. Compiling. This program includes a Makefile. At the command line in Linux, type make. The program produces an executable called Project1.

   Running the program. Be sure lastNames.txt is in the same directory as the executable. No command line arguments are required or checked.

   User input: After the program finishes running, the user must enter a character to exit, or close the command line prompt.

Output: Most output goes to the console. Output will be similar to this:

Legal:

Userid	Password	Result
SMITH	phqghumea	match
JOHNSON	ylnlfdxfi	match
WILLIAMS	rcvscxggb	match
JONES	wkfnqduxw	match
BROWN	fnfozvsrt	match

Illegal:

Userid	Password	Result
SMITH	phxghumea	no match
JOHNSON	ylnxfdxfi	no match
WILLIAMS	rcvscxgxb	no match
JONES	wkxnqduxw	no match
BROWN	fxfozvsrt	no match

The program also creates text files called raw.txt and encrypted.txt.