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**Data Structures and Algorithms II**

**Project 1**

**User’s Manual**

**Setup and Compilation**

1. Download and unzip DSA2\_Project1\_Wymore from eLearning onto a Linux platform.
2. The submission includes:
   1. Main.cpp
   2. ChainedHashTable.cpp
   3. EncryptPasswords.cpp
   4. PasswordCreator.cpp
   5. User.cpp
   6. TestCase.cpp
   7. Catch.hpp
   8. lastNames.txt
3. Environment: This program has been tested in Ubuntu and Windows (mingw). For Linux, includes must be .hpp’s in main and/or TestCase. For Windows using mingw, headers must be .cpp in main and/or TestCase.
4. Compiling: This progam includes makefile. At the command line in Ubuntu or Command Line, type make. The program creates an executable titled main.

**Running the program.**

1. lastNames.txt must be in the same directory as main.
2. Issue the command ./main
   1. No command line arguments are required
   2. lastNames.txt must be of the format:
      1. “name” ‘ ‘ “anything” ‘\n’
3. No user input is required.

Output:

1. Output will be written to two files, raw.txt and encryptedData.txt.
2. Output will also be written to the console in the form:

Username: “successfulname”

Password: “mgnxoxthr”

Match!!

Username: “unsuccessfulname”

Password: “abcdefghi”

No Match!!