**Sarah Wallis  
Data Structures and Algorithms II  
Project 1  
User's Manual**

**Setup and Compilation**  
1. Download and unzip the submission from eLearning on a Linux box in the multi-platform lab.  
2. The submission includes:

* dsaII-project1.png
* hash-table.cpp
* hash-table.hpp
* linked-list.cpp
* linked-list.hpp
* main.cpp
* makefile
* names.txt
* node.hpp
* password-manager.cpp
* password-manager.hpp
* User Manual.docx (this file)

3. Environment: This program has been tested in 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 entitled main.

**Running the program.** Be sure names.txt is in the same directory as the executable. Issue the command ‘./main’ No command line arguments are required or checked.

User input: no user interaction with the program is required.

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

Legal:

Userid Password(file) Password(table/un) Result

SMITH wjyvtk cf wjyvtk cf match

WILLIAMS tlumvmdeg tlumvmdeg match

BROWN ffwbturoi ffwbturoi match

MILLER lrkkyfkbo lrkkyfkbo match

MOORE jccjntvat jccjntvat match

Illegal:

Userid Password(mod) Password(table/un) Result

SMITH zjyvtk cf wjyvtk cf no match

WILLIAMS zlumvmdeg tlumvmdeg no match

BROWN zfwbturoi ffwbturoi no match

MILLER zrkkyfkbo lrkkyfkbo no match

MOORE zccjntvat jccjntvat no match