**Sarah Wallis  
Data Structures and Algorithms II  
Project 5  
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:

* lcs-manager.cpp
* lcs-manager.hpp
* main.cpp
* makefile
* multiStrings.txt
* similarity-calculator.cpp
* similarity-calculator.hpp
* subsequence-controller.cpp
* subsequence-controller.hpp
* two-d-array.cpp
* two-d-array.hpp
* twoStrings.txt
* UMLDiagram.png
* UsersManual.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.** Issue the command ‘./main’ No command line arguments are required or checked.

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

Part 1:

String 1:

fdsasdfdsfsdsdssdasasfdsasdfsdssasadsfsfsdsfadsfsdassdsfasdsdasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsddsasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsdsasasdfdfsadfdsasasdfdsasdadsfsdassdsfasdsddsasdfsasasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssfdsasdfsdssasadsfsfsdsfadsfsdassdsfasdsdasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsddsasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsdsasasdfdfsadfdsasasdfdsasdadsfsdassdsfasdsddsasdfsasasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssfdsasdfsdssasadsfsfsdsfadsfsdassdsfasdsdasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsddsasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsdsasasdfdfsadfdsasasdfdsasdadsfsdassdsfasdsddsasdfsasasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssfdsasdfsdssasadsfsfsdsfadsfsdassdsfasdsdasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsds

String 2:

adfdsasdfsdssasadsfsfsdsfadsfsdassdsfasdsdasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsddsasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsdsasasdfdfsadfdsasasdfdsasdsasdfasdfdsasdasdfdsasdfdsadfdsasdfsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfd

LCS:

adfdsasdfsdssasadsfsfsdsfadsfsdassdsfasdsdasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsddsasdfsadfdsasdfsdssaasdfdsasdfdsadfdsasdfdsfsdsdssdasasadsfsdsdsfadsfsdassdsfasdsdsasasdfdfsadfdsasasdfdsasdadfsddsasdsddsasdfsasasdfsdfasdsdsasdfsadfdsadfdsasdfdsfsdsdssfsadfdsasdfsssadfdsdsfasdsdasdfsadfdsadfdsasdfdsfsdsdssdasasdfsdssadfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsasddsadfsadfdssdsdssaasdfdsdsfadssassdsasdsdsaasdfdsdfassddsasdadfsassdsasdsdsasdssasdfsadfdsasdfsdssaasdfdsasddsadfsadfdsfsdsssfdsasdsdsasdfsfdsadfsdassdsfasdsdasdfsadfdsadfdsasdfdsfsdsdssdasasdfsdssadfdsdsfasdsddsasdfsadfdsasdfsdssaasdfdsasddsadfsadfdssdsdssaasdfdsdsfadssassdsasdsdsaasdfdsdfassddsasdadfsassdsasdsdsasdssasdfsadfdsasdfsdssaasdfdsasdsddsasdfsdfdsasdfsdssaasdfdsdsfasdsddsasdfsadfdsasdfsdssaasdfd

Part 2:

01 02 03 04 05 06 07 08

01 - D D D L D M D

02 - - D D D D D H

03 - - - M D M D D

04 - - - - D H D D

05 - - - - - D M D

06 - - - - - - D D

07 - - - - - - - D

08 - - - - - - - -