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**Project 5**

**Data Structures and Algorithms II**

**User's Manual**

*Please revise this to make applicable to the Project you are working on.*

**Setup and Compilation**

1. Download and unzip the submission from eLearning on a Linux box in the multi-platform lab.

2. The submission includes:

* CommonSub.hpp
* CommonSub.cpp
* Similarity.hpp
* Similarity.cpp
* UserManual.docx (this file)
* UML.jpg (diagram showing relationship between classes)
* twoStrings.txt (input file for “CommonSub” class)
* multiStrings.txt (input file for “similarity” class)

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 main. The program produces an executable entitled main

**Running the program.** Be sure CommonSub.hpp, CommonSub.cpp, similarity.hpp, similarity.cpp, twoStrings.txt and multiStrings.txt are 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:

---------Checking the LCS of two strings-------------------------------------

String 1: GTAB

String 2: GABBY

LCS of both strings: GAB

----------------------------------------------------------------------------------------Calculating the degree of similarities among strings---------

H M D

- D M

- - M

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