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**Data Structures and Algorithms II**

**Project 5**

**User’s Manual**

**Setup and Compilation**

1. Download and unzip the submission file from eLearning.
2. The submission file includes:
   * LcsAlg.cpp
   * LcsAlg.hpp
   * main.cpp
   * Makefile
   * multiStrings.txt
   * twoStrings.txt
   * UMLDiagram.pdf
   * UsersManual.docx
3. Environment: This program has been tested in the Linux OS and will run there.
4. Compiling: This program includes a Makefile. In the command line, type “make”. The program will create an executable file named dsp5.exe.

**Running the program:** Issue the command “./dsp5.exe” in order to run the program. No command line arguments are required.

**User Input:** The program requires input from text files. When the program runs, it will read these files:

**Part 1**

* twoStrings.txt

The twoStrings.txt file will have two strings. One string per line of two lines.

**Part 2**

* multiStrings.txt

The multiStrings.txt file has an integer value on the first line indicating how many lines of strings to read. Each line after the first line will have one string.

**Output:** All output goes to the console. Output will look like:

Part 1

length x : 963

length y : 948

length lcs : 794

lcs : adfdsasdfsdssas…..sdssaasdfd

Part 2

- D D D L D M D

- - D D D D D H

- - - M D M D D

- - - - D H D D

- - - - - D M D

- - - - - - D D

- - - - - - - D

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