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**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:
   * main.cpp
   * part1.cpp
   * part1.hpp
   * part2.cpp
   * part2.hpp
   * lcs.cpp
   * lcs.hpp
   * twoStrings.txt
   * multiStrings.txt
   * UMLDiagram.png
   * UsersManual.docx
3. Environment: This program has been tested in the multi-platform lab and will run there.

1. 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 that the twoStrings.txt and multiStrings.txt files are in the same directory as the executable. Execute the ./main command. No arguments are required. The program has only been tested up to 10 items for part 2.

User input: no user input required.

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

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| Part 1 |

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String 1 (length: 963):

String 2 (length: 948):

Longest Common Subsequence (length: 794):

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| Part 2 |

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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 - - - - - - - -