

Project 1 Sets User Documentation

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NAME

Project1- Sets

SYNOPSIS

sets program is used for entering, storing, manipulating, and printing sets of various sorts. The program will maintain a current set and a current verbose state. This program allows the user to input any one of several commands. The input will be in the form of a number, and you must allow the user to specify whether or not they wish to see a list of what the numbers mean and how they are to be used.

The numbered commands are as follows:

- 0 = exit
- 1 = input file <filename>: open and read a list from a file to the current list
- 2 = union file <filename>: open and union a set from a file with the current set
- 3 = subtract file <filename>: open and subtract set from a file from the current set
- 4 = difference file <filename>: open and find the difference between a set from a file and the current set
- 5 = intersect file <filename>: open and find the intersection between a set from a file and the current set
- 6 = reset current set to the empty set
- 7 = output file <filename>: open and write the current set to a file
- 8 = print current set to the console
- 9 = find <item name>: test if <item name> is in the current set
- 10 = insert <item name>: add <item name> to the current set if it is not already in it
- 11 = delete <item name>: remove <item name> from the current set if it is in it
- 12 = verbose output
- 13 = normal output
- 14 = silent output
- 15 = help