# **Homework 8B - Vectors**

## Algorithm

* Use the phonebook program I made (included with assignment)
* Do Not change toChoice()
* Change the array declarations to vectors that hold 10 elements each.
* Allow the user to enter in new elements into the vectors for passing the 10th element.
  + This will be a new function called "a"dd
  + and be based on an "if" statement for when not pass size().
  + and will include comments required of functions
  + we will assume you have to add, not change any entries not previously displayed
* Use the member function size in the for loops to access the vectors.

## Important

The program must compile without errors or warnings.

Your program must have the following comments at the top. Don’t forget to include them because they will count toward the grade of this lab.

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// CPSC 230 Semester HW # 8b

// First and Last Name

// Using your own words, write here a description of what the program does.

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\_ Submit the most complete version of your .cpp file. For example, if you have problems with one section, submit this program with what you did for parts right, and comment out the other parts.

\_ Please name your file HW8bFL (where FL refers to name initials). Do not include blank spaces in the name of the file please.

***When done, submit your solution through D2L in the appropriate “Drop Folder” tool. Do NOT email it.***

## Grading Rubric

The following is the basic criteria to be used to grade your submission:

You start with 100 points and then lose points as you don't do something that is required.

Rubric:

0-15 pts Style Guide

0-15 pts (Comments & Input) Main/Function Comments, use correct input

0-30 pts (LORE) Correct Logic, give correct Output Does it Run, Efficiency.

0-35 pts (Elements) Does it Use the "Elements" taught/ highlighted

0-5 pts (HCI) Human Computer Interaction

### Sample points off.

-40 Didn’t use vectors or program doesn't compile

-15 Missing/ Wrong implementations to add new elements

-10 Wrong parameters

-20 Missing/ Wrong implementation of loop

-20 Missing/ Wrong implementation of branch

-15 Missing/ Wrong implementation of the 3 functions

-30 Used global variables

-5 No comments or conditions

-10 Wrong output

-5 results is not formatted correctly

**Important:** more points may be lost for other reasons not specified here including in Class directions and the Style Guide. Always follow the style guidelines in the Style Guide.