Proj 11 - Paired - Distance

* **Due** Tuesday by 11:59pm
* **Points** 75
* **Submitting** a file upload
* **File Types** cpp

Problem

Working with a classmate, create a Distance class representing a linear distance measured in feet and inches.

Specification

1. Define the class based on the [Distance class diagramhttps://slcc.instructure.com/images/preview.pnghttps://slcc.instructure.com/images/popout.png](https://slcc.instructure.com/files/28671977/download?verifier=ZZu9ogXkgihDwLFjPsaK8ikJmuill5cz8bvC3YBW).
2. Write a test program to validate the Distance class that runs from the following menu:
   * Add two distances
   * Subtract two distances
   * Sum an array of distances
   * Plot an array of distances as a bar graph.
   * Calculate the perimeter and area of a rectangle whose length and width are represented by Distance objects.
   * Include << operator
   * Include >> operator

Admin

1. Grading
   * 0 points if your program does not compile.
   * +5 for comments, indentation and placement of {} per [Style Guide](http://www.cs.slcc.edu/style-guide.shtml).
   * +5 for each specification met.
2. Submission: Only one student in the pair submits the program source code file.