**Requirements Document**

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**Date Submitted:**

**Application Title**

**Purpose:**

**Program Procedures:**

**Algorithms, Processing, and Conditions:**

**Notes and Restrictions:**

**Comments:**

April 14, 2015

Yearly Snowfall Application

This application calculates the total amount of snowfall for an eight month period.

The user should be continually prompted for the total amount of snowfall for one month until all eight months have been input. The monthly total amount for all eight months should be displayed. Then the total for the eight months will be calculated and displayed to the user.

1. The user must be prompted for one month’s total snowfall amount.
2. Each month will be displayed to the user after it is input into the application.
3. The user will continue to be prompted until eight months of data has been input into the application.
4. Once all eight months of data has been collected, they will totaled.
5. The total amount of snowfall will be displayed to the user.
6. The user should be able to clear the monthly snowfall totals and the total annual snowfall amounts.

1. If the user enters a value that can’t be converted to a decimal, the user should be advised and asked for a valid entry.
2. If the user enters a nonnumeric value, the user should be advised and asked for a valid entry.
3. If the user enters a negative number or does not enter a number, the user should be advised and asked for a valid entry.

The image displayed is readily available from the professor for this class contained in the files on D2L.