Validation

<div align="center">Programmer Manual</div>
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1.   Problem Description
      The Validation file contains functions which validate user input

2.   Validation

      Member functions:
            validatedInput (int&)   validation for a single input
            validatedInput(int&,int&,int,int)   validation for two inputs with a lower and an upper
                                                    bound

3.   High Level Program Solution

      validatedInput(int&)
            get input from the user
            if the input causes cin to fail, clear the buffer, tell the user, and reprompt for input

      validatedInput(int&,int&, int, int)
            get input from the user
            if either input causes cin to fail, clear the buffer, tell the user, and reprompt for input
            if either input is outside of the input upper and lower bounds, tell the user and reprompt
                  for input