Aim of the project:

* The overall aim is to produce a program for a local youth club that will check the type of coin, the bag value and the weight of the bag and then check to see if the bag weight aligns with the inputted bag weight and record it so they may easily identify how much money they have raised

The program must:

* allow the user to input the volunteer’s name, type of coin and weight of bag
  + validate the coin type
  + indicate the number of coins to be added or removed to correct an inaccurate bag weight
  + maintain running totals of the number of bags checked and total value
* provide an option to display the total number of bags checked and total value
* monitor the accuracy of the volunteers counting the coins
* provide an option to display a list of the volunteers, sorted by accuracy, showing:
  + the total number of bags they have counted
  + the number of bags they counted correctly, as a percentage of their total.
* Save the data in a text file called CoinCount.txt
* Load CoinCount.txt at the beginning of each session.
* Update CoinCount.txt at the end of each session.

Testing:

* Must create test data to check the program works as intended
* Test data has been provided to ensure the program will work and give the expected result

Sub-Groups:

* Validation:
  + Input volunteer’s name, coin type and weight of the bag
  + Check for valid coin type
  + Compare inputted bag weight to expected bag weight
  + Indicate how many coins are needed
* Storing Values:
  + Store how many bags have been checked
  + Store how many were correctly stored
  + Calculate their accuracy
  + Store all of these into a text file
* Presenting Results:
  + Print the list of volunteer’s in order of accuracy from text file including their:
    - Names
    - Accuracy
    - The total number of bags counted
    - Update text file afterward