**List of Requirements:**

-Program must read custoomer product ID, and Units from a CSV file.

-calculate the sums of the units for each corresponding item number.

-output the sorted prod and units into console, with headers.

Table of requirements up here

**Psuedo Code for the Application:**

Create Variables.

3 arrays: originalCSVData, totalProductID, totalUnits.

2 ints: csvCount, productIDCount.

Process CSV into originalCSVData array, with an infinite loop which breaks when there is no data left to input.

Input value into originalCSVData position csvCount.

Forward csvCount by 1.

Reset csvCount.

Process originalCSVData array using a loop, which breaks when originalCSVData position csvCount is empty, starting at position 1(skip first ID).

Scan totalProductID, using an infinite loop, for originalCSVData position csvCount .

If totalProductID position productIDCount is a match, break this nested loop.

If totalProductID position productIDCount is empty.

input value originalCSVData position csvCount.

Break nested loop.

Else forward productIDCount by 1.

Forward the csvCount by 1.

Store value originalCSVData position csvCount to totalUnits position productIDCount.

Forward csvCount by 2.

Reset productIDCount.

Convert totalProductID and totalUnits arrays into a CSV file, with a loop that continues until totalProductID position productIDCount is empty.

Output column headers, new line.

Output totalProductID position productIDCount, output totalUnits position productIDCount, new line.

Forward productIDCount by 1.

**Test Cases(**Possibly on a smaller test csv file**):**

-Verify that all product IDs are present from the csv file in the new csv file.

-Verify output sums are correct from the total number of units in the original csv file