**Module:** setItemData

**Access Programs:** none

**Implementation:**

**Uses:** input.txt

Variables

Input:

code: STRING; description: STRING; cost:LONG; quantity: INT;

Represents the information of the new Item to be added to the data file.

Output:

code “\t” description “\t” cost “\t” quantity “\n”

Outputs to input.txt the information of the new Item.

State:

spotFound: BOOLEAN

Represents whether an empty line is found in input.txt.

currentLine: STRING

Stores the current linebeing examine in input.txt

Constants: none

Psudo Code:

IF (input.txt not found) DO

PRINT (“Can’t open input file”)

IF(output.txt not found) DO

PRINT (“Can’t open output file”)

WHILE (NOT input.txt end of file) DO

IF (currentLine is empty) DO

spotFound = true

PRINT TO outputFile (code “\t” description “\t” cost “\t” quantity “\n”)

ELSE DO

PRINT TO outputFIle(currentLine “\n”)

IFNOT spotFound)

PRINT TO outputFile (code “\t” description “\t” cost “\t” quantity “\n”)

CLOSE inputFIle

CLOSE outputFIle

DELETE input.txt

RENAME output.txt to input.txt

Test Report:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TEST CASE (item: code, descritption,cost, quantity)input.txt | code:String  descrption: String  cost: LONG  quantity:INT | spotFound:BOOLEAN | currentLine: STRING | Input.txt’ | Result |
| code1, des1,123,1  code2,des2, 45, 2  code3,des3, 6,3 | code4, des4, 101,4 | FALSE | “ ” | code1, des1,123,1  code2,des2, 45, 2  code3,des3, 6,3  code4,des4,101,4 | PASS |
| code1, des1,123,1  code2,des2, 45, 2  \n  code3,des3, 6,3 | code4, des4, 101,4 | TRUE | \n | code1, des1,123,1  code2,des2, 45, 2  code4,des4,101,4  code3,des3, 6,3 | PASS |
| EMPTY | Code1, description,1,1 | FALSE | “ ” | Code1,description1,1 | PASS |