

**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 line being examined in input.txt

Constants: none

Pseudo 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")
IF NOT 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, description,cost, quantity)input.txt	code:String description: 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