

**Module:** getItemData()

**Access Programs:** none

**Implementation:**

Uses: inputFileName.txt

Variables

Input:

code: STRING

Represents a short description of the item being searched for

Output:

send: ARRAY<STRING>

An array containing the description, cost, and quantity of an the object with matching code input.

State:

code2

Represents the code of an object in the data file, used to compare with the input code.

Constants: inputFileName: CHAR[]

Represents the name of the text file used by this module.

Psudo code:

FOR (each object in data file) DO

    read the object

    IF (code == code2)

        RETURN send[object.description, object.cost, object.quantity]

RETURN DNE

Function table:

		send
code == code2		[object.description, object.cost, object.quantity]
code != code2	object.code2 is last object	DNE
	object.code2 is not last object	NO CHANGE

Test Report:

TEST CASE (object.code, object.description, object.cost, object.quantity)	code IN	send OUT	Result
item1, aaaa, 3020, 67 item2, bbbb, 9999, 90 item3, cccc, 0001, 100 item4, dddd, 8763, 0	item1	[aaaa, 3020, 67]	pass
	item2	[bbbb, 9999, 90]	pass
	item5	DNE	pass