

Module: getItemCode()

Access Programs: none

Implementation:

Uses: inputFileName.txt

Variables

Input:

description: STRING

Represents a short description of the item being searched for

Output:

code: STRING

Represents the ID code of the item being searched for.

State:

description2

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

Constants: inputFileName: CHAR[]

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

Pseudo code:

FOR (each object in data file) DO

 read the object

 IF (description == description2)

 RETURN object.code

RETURN DNE

Function table:

		code
description == description2		object.code
description != description2	object.description2 is last object	DNE
	object.description2 is not last object	NO CHANGE

Test Report:

TEST CASE (object.code, object.description)	Description IN	Code OUT	Result
item1, a car item2, a box item3, a car item4, a dog	a box	item2	pass
	a car	item1	pass
	a walrus	DNE	pass