

Designing and Creating a python script to automate a process at Indigo Community Services and Health Hub

Scenario:

Customer Service Staff gives a text file with names of new customers to the System Administrator.

System Administrator runs the Python Script against the given text file from DC1 Server.

The Python Script reads the text file and create a folder for each of the customer name in the text file (foldername is the customer name) at \Administration\New_Customers\ which is a shared folder on the file server.

Design and create a Python Script which does the above task.

What the script should do ? (in plain English)

1. Check whether there is NewCustomers.txt in the Administration folder (same location as the automation script) .

1.1 If there isn't a text file at the relevant location, show the message

"NewCustomers.txt does not exist. Please save NewCustomers.txt in the Administration folder and retry. "

1.2 If there is a text file ,

Read the first name of the text file.

1.2.1 Create a folder with the name (no space between names,title case) at

Administration\New_Customers\ and if success, print message "<FirstnameLastname> folder created at <location>\n" to the terminal and move to the next name.

1.2.2 If receive error "folder already exists" print message print message

"<FirstnameLastname> folder already exists at <location>\n" to the terminal and move to the next name.

Follow above 1. 2.1 and 1.2.2 until the end of file and exit the program.

V2 :

1.improve the script to handle situations:

*If name is too long?

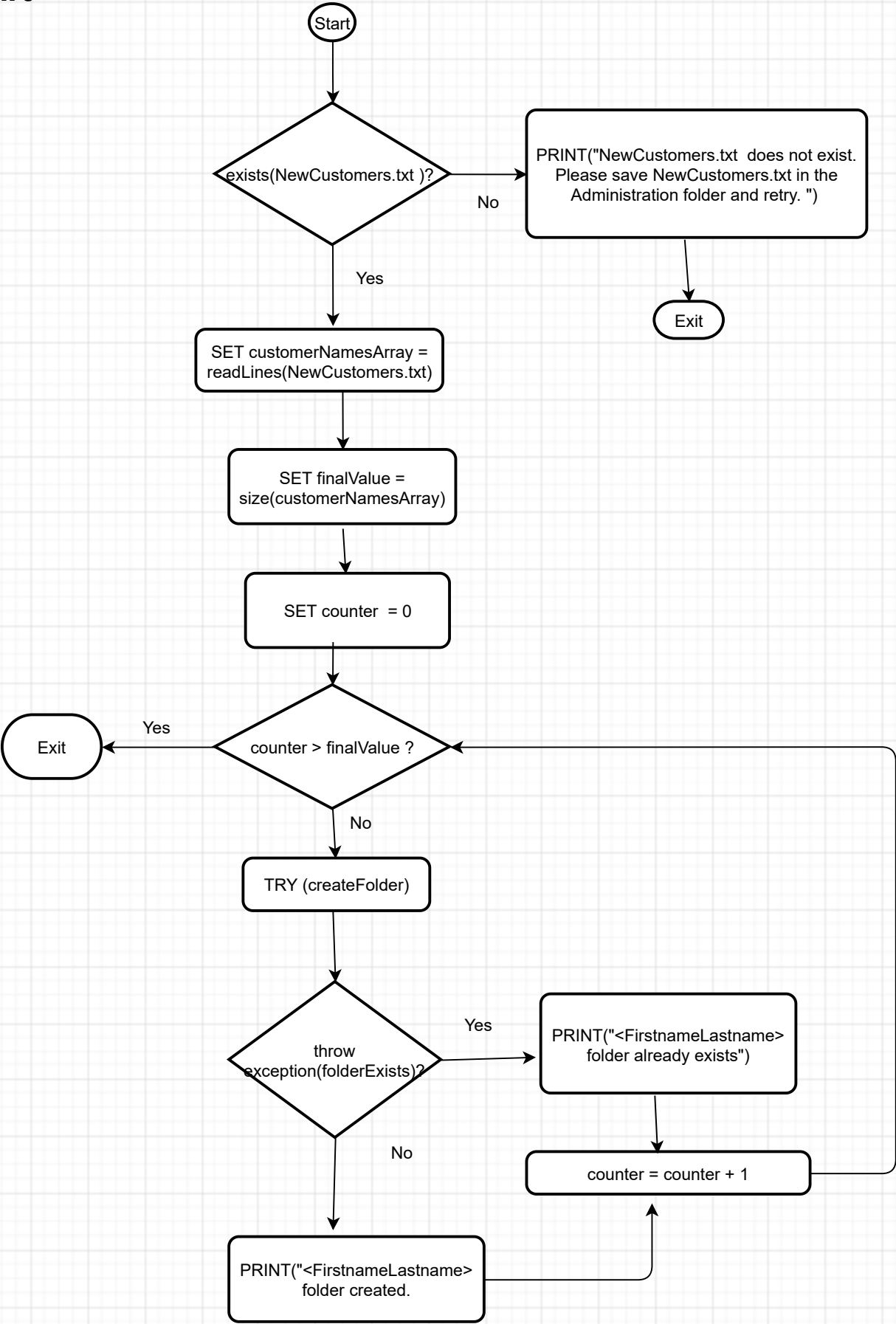
*if name isn't written in correct case?

2.write the messages to a log file . (add the date script is run and append to the same text file)

3.If there isn't a text file at the relevant location, show an alert with the message the options cancel and retry (after saving the file at the right location.) 1.1.1 If the user select 'Cancel', exit the program.

1.1.2 If the user select Retry, go back to 1.

FlowChart



Pseudocode:

```
IF exists (NewCustomers.txt ) THEN
    SET customerNamesArray = readLines(NewCustomers.txt)
    SET finalValue = size(customerNamesArray)
    SET counter = 0
    FOR index = counter to finalValue
        TRY createFolder
            IF throwException(folderExists)
                PRINT("<FirstnameLastname> folder already exists")
            ELSE
                PRINT("<FirstnameLastname> folder created.")
            ENDIF
            counter = counter + 1
        ELSE
            PRINT("NewCustomers.txt does not exist. Please save NewCustomers.txt in the Administration folder and retry. ")
        ENDIF
```