Try: open
A

FileNotFound

data_list=[ ]
B

json.load
C

JsonDecode

Json decode error
D

Result_list=[ ] E

For item in data_list
G

if item[key] == value

True
False

result_list.append(item)
H

if item[key] == value
I

end if
J

K

return result_list

↓L
end

Nodes = 12
Edges = 15
Complexity = 15 − 12 + 2 = 5

AB EFKL
ACEF GI H J F KL
AC EFGI J FKL
ACDL
ACEFKL

Case 1: The file exists and contains multiple entries. One entry has a key-value pair that matches the search

Case 2: The file exists but contains an empty JSON array

Case 3: The file exists and has multiple items, none of which match the search value.

Case 4: The file does not exist

Case 5: The file exists but contains malformed JSON.

Case 6: The file contains several matching entries