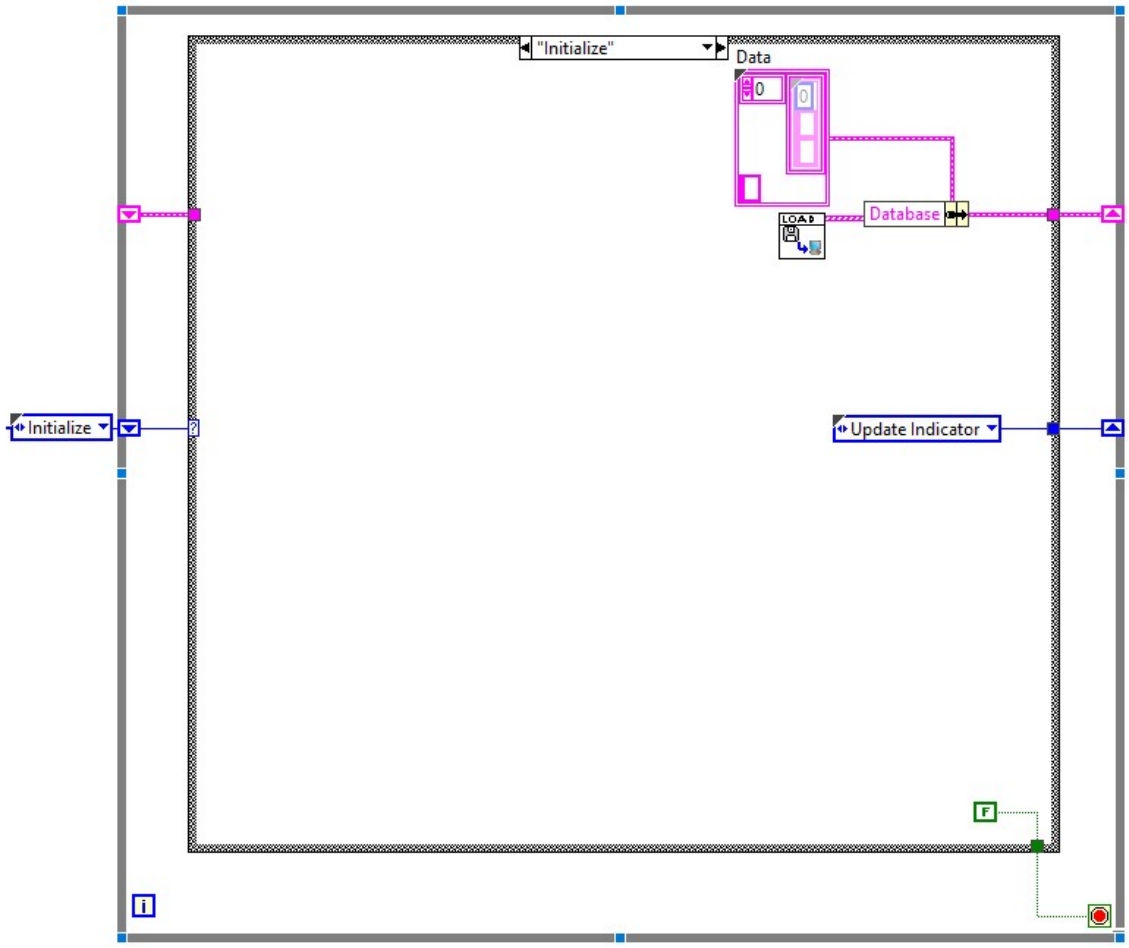
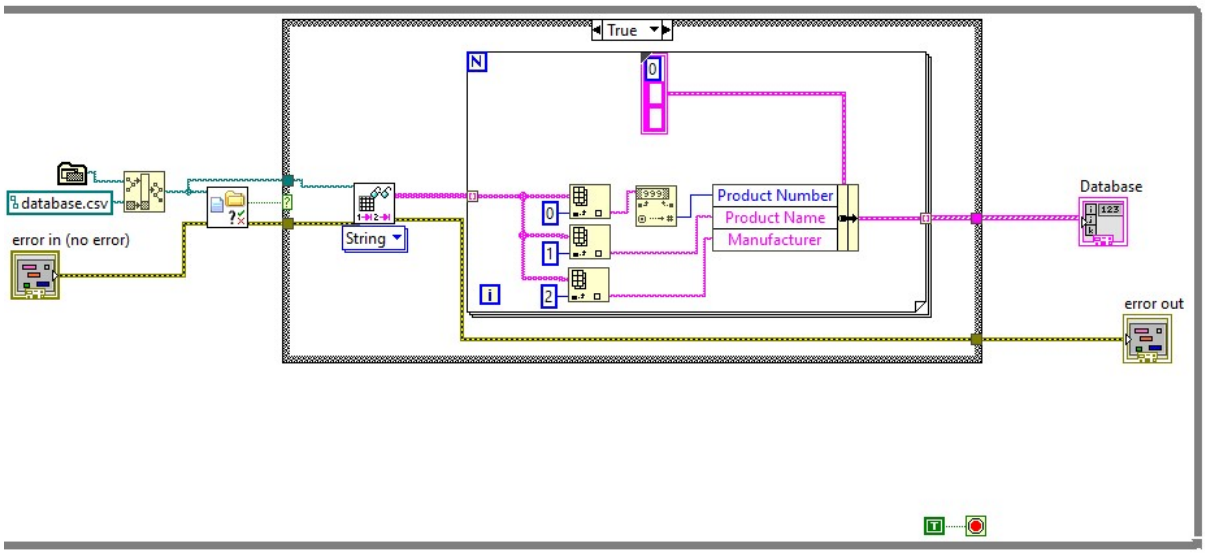
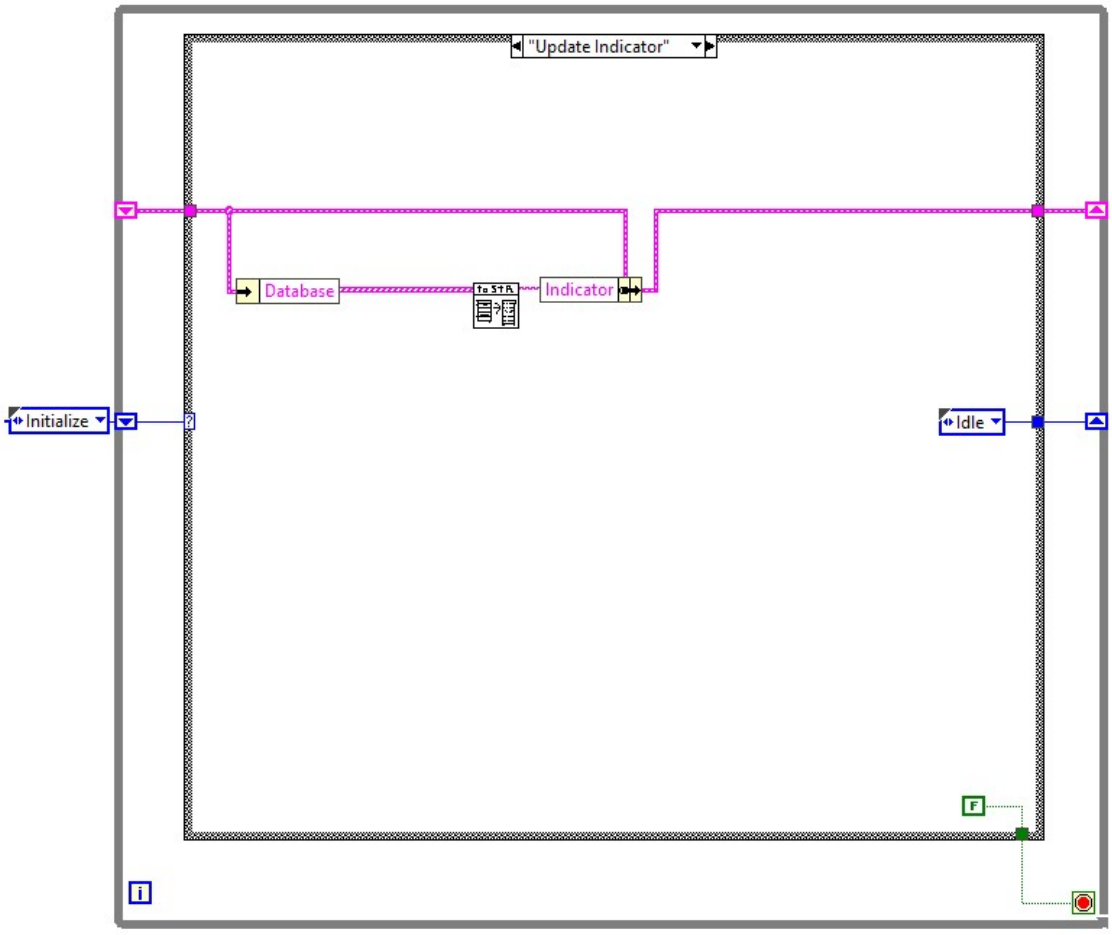
Cw_1

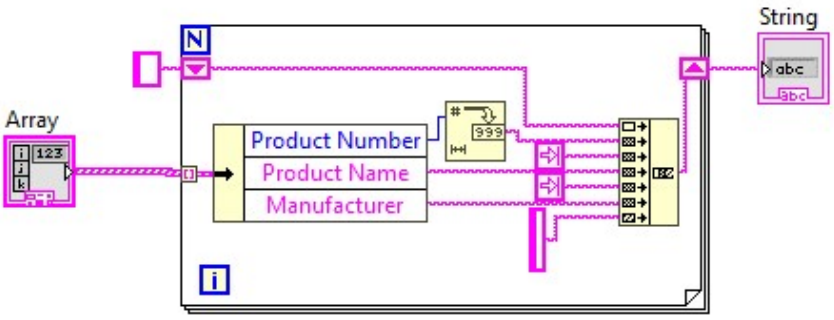

"Initialize"
Data
0
0
LOAD
Database
Initialize
Update Indicator
F
i

Load

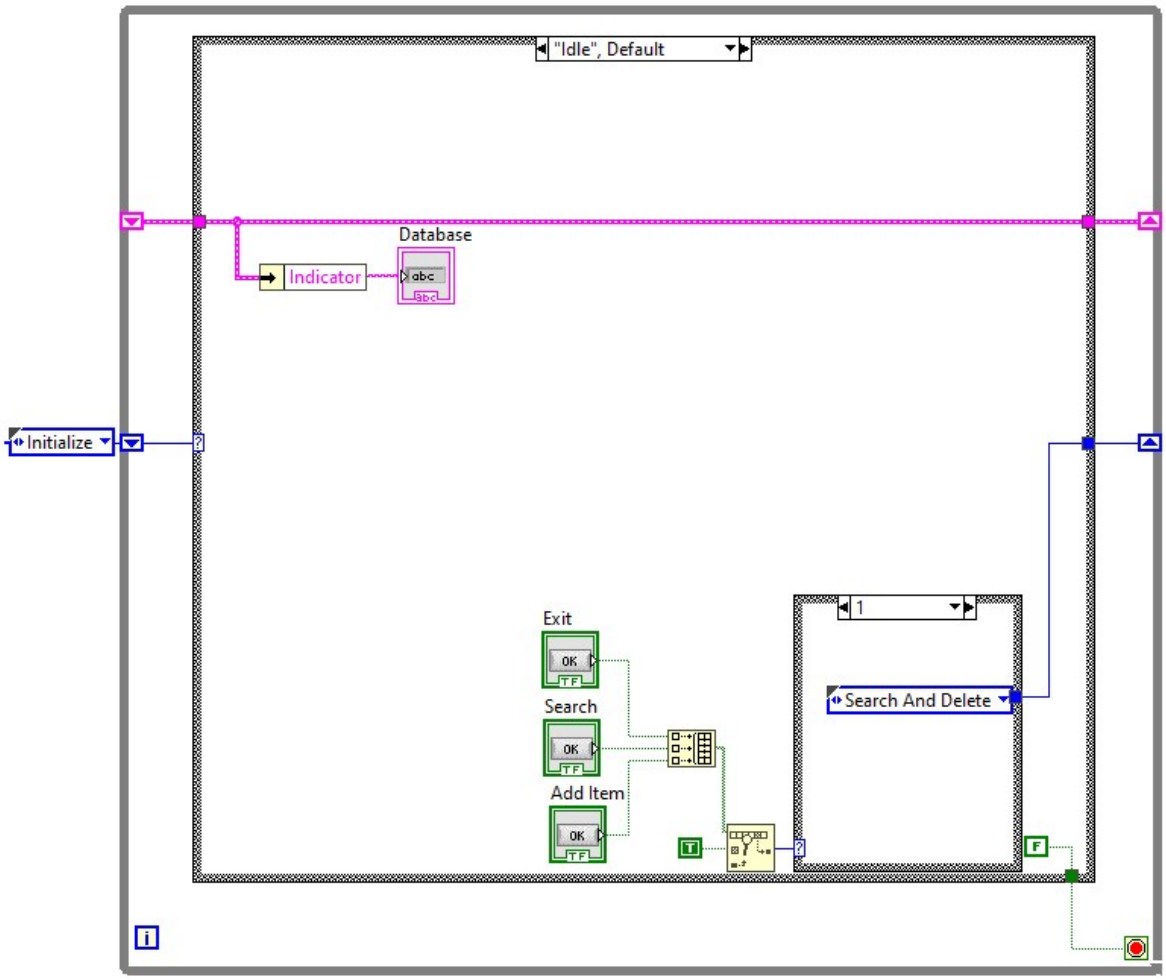

True
N
0
database.csv
error in (no error)
String
0
1
2
i
Product Number
Product Name
Manufacturer
Database
error out
T

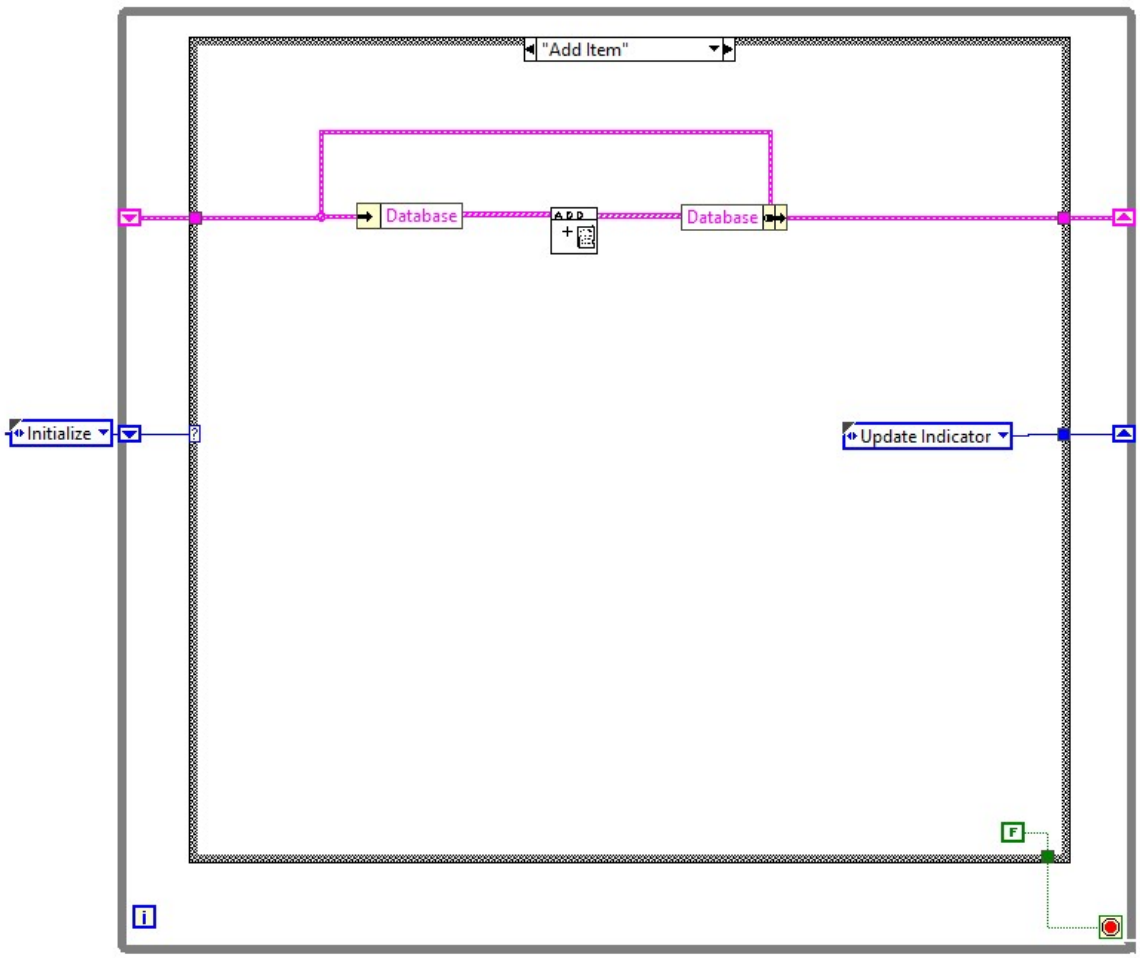


2D Array To Str

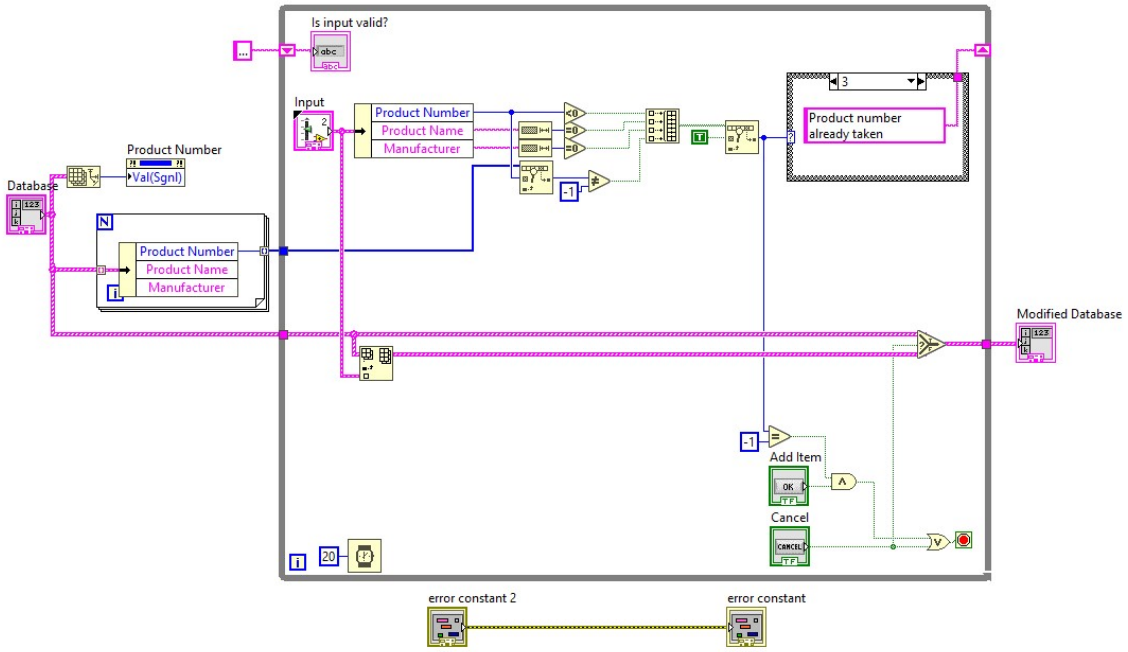

String
Array
Product Number
Product Name
Manufacturer

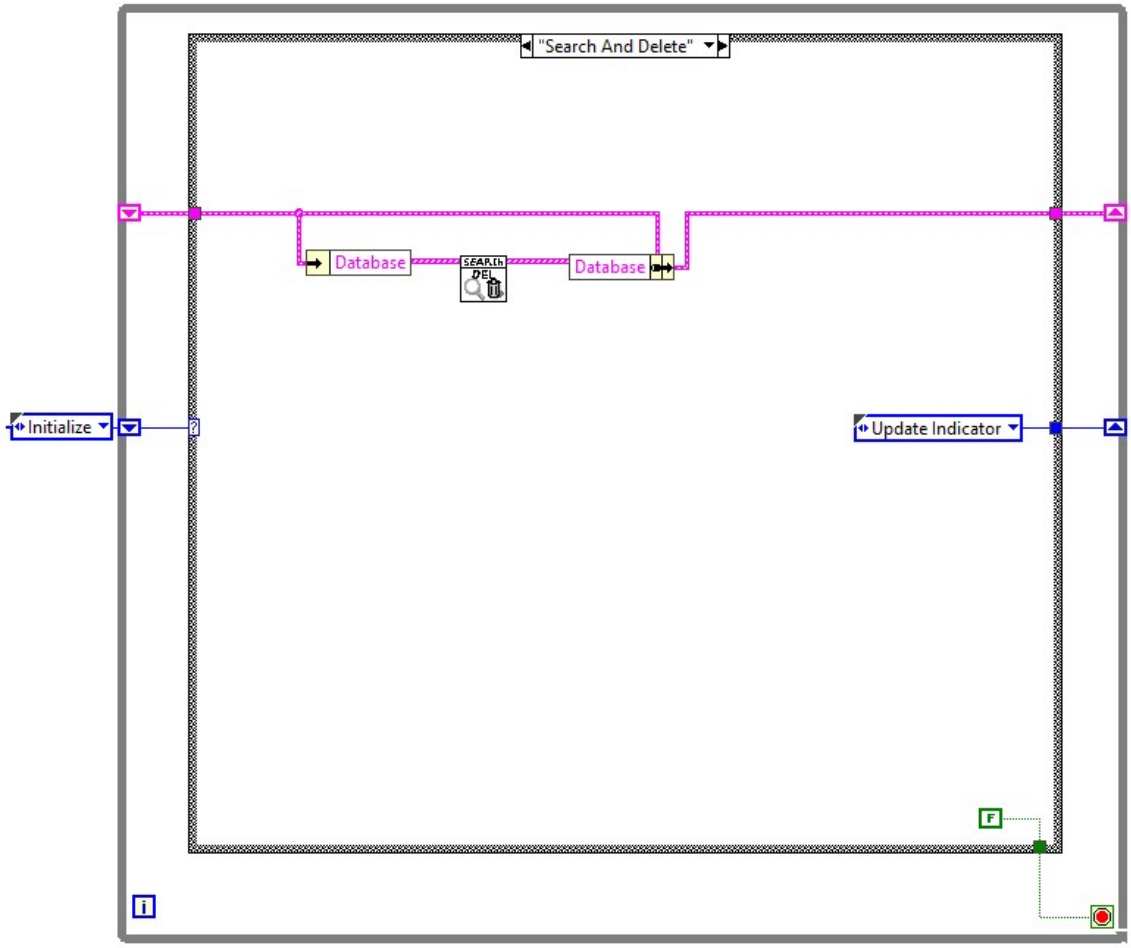
error in (no error)
error out


"Idle", Default
Database
Indicator
Initialize
Exit
Search
Add Item
1
Search And Delete

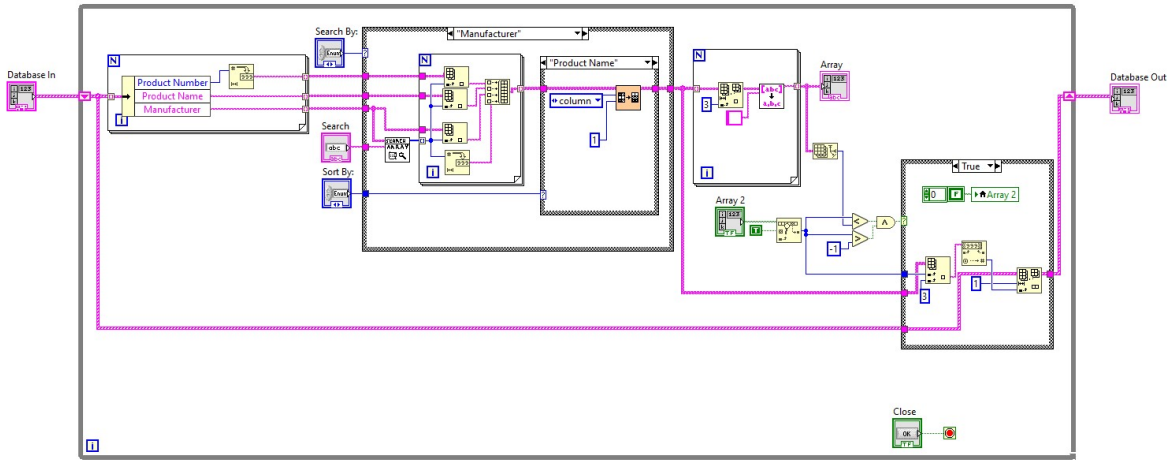

"Add Item"
Database
ADD
Database
Initialize
Update Indicator
F
i

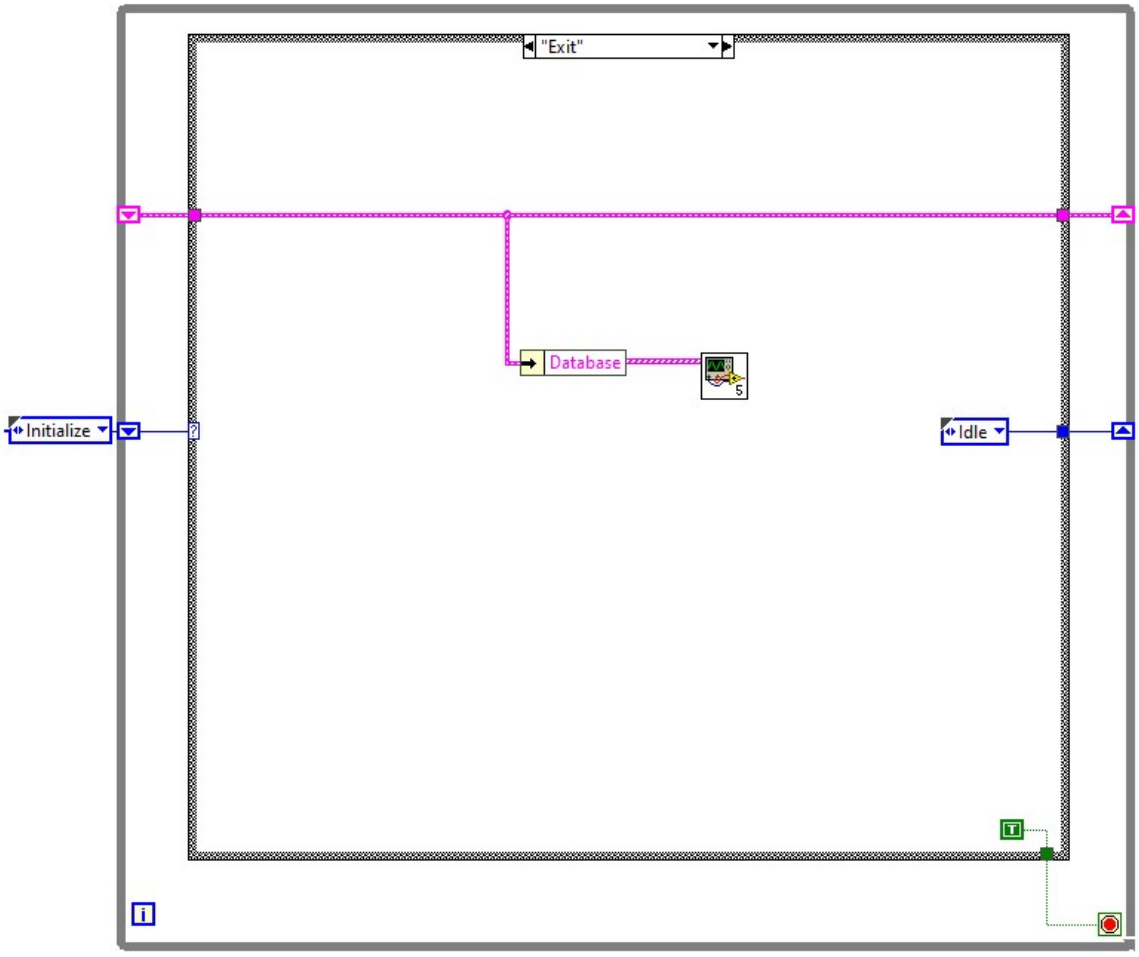
Add Item


Is input valid?
Input
Product Number
Product Name
Manufacturer
Product number already taken
Database
Product Number
Val(Sgnl)
Modified Database
Add Item
Cancel
error constant 2
error constant

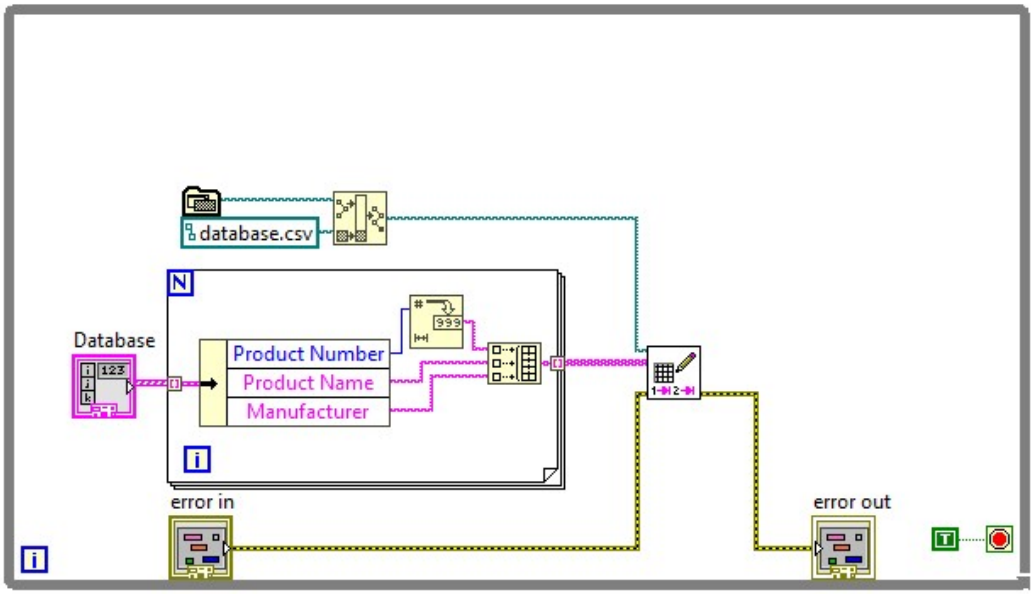


Search And Delete

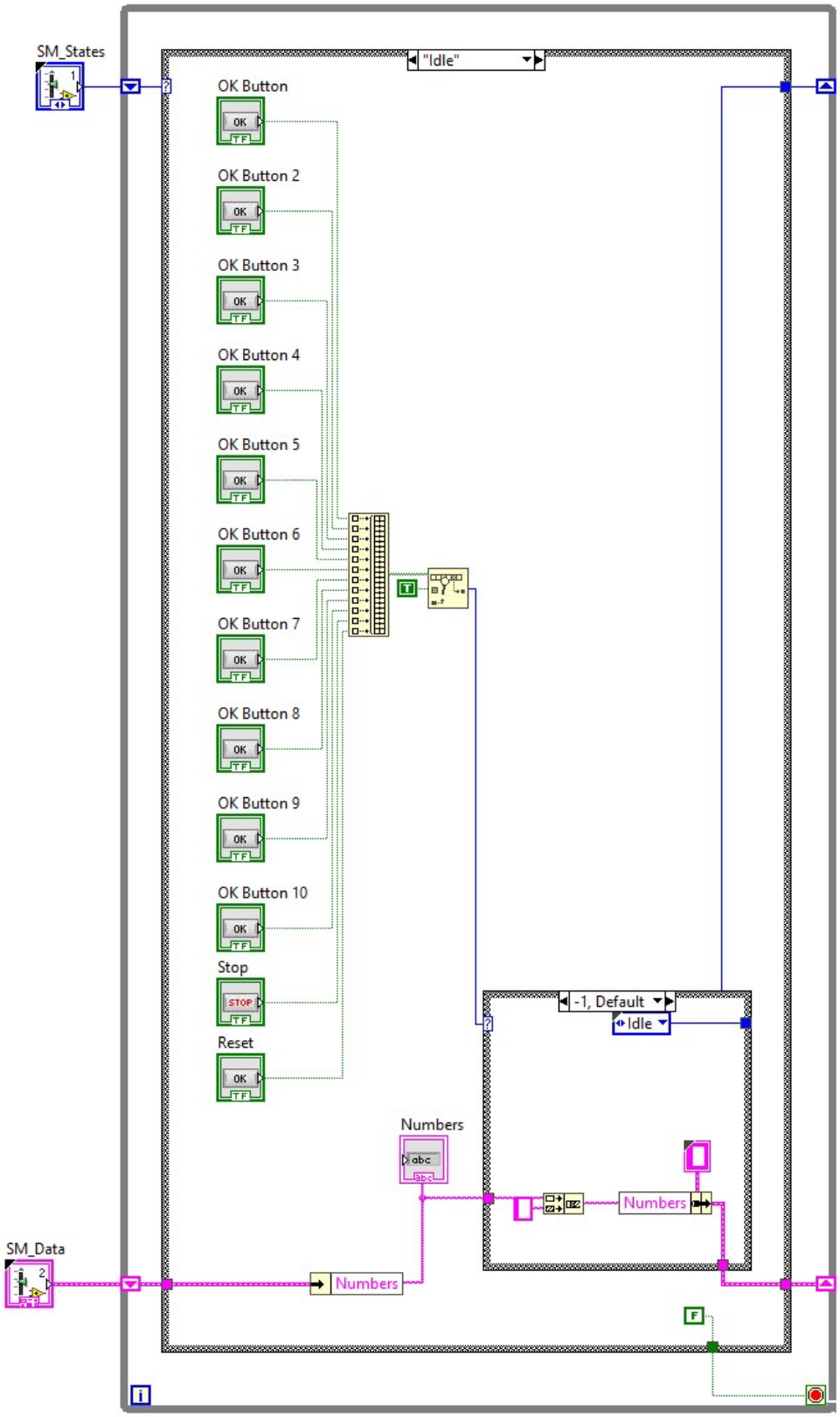


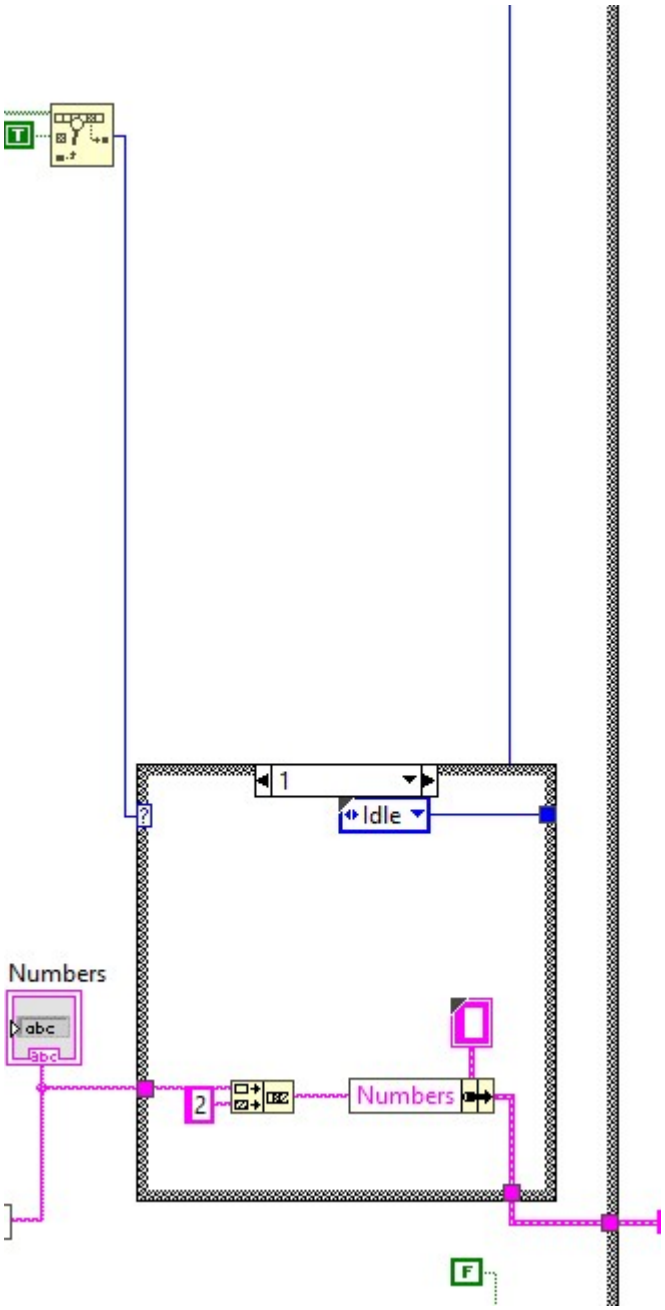

"Exit"
Database
Initialize
Idle

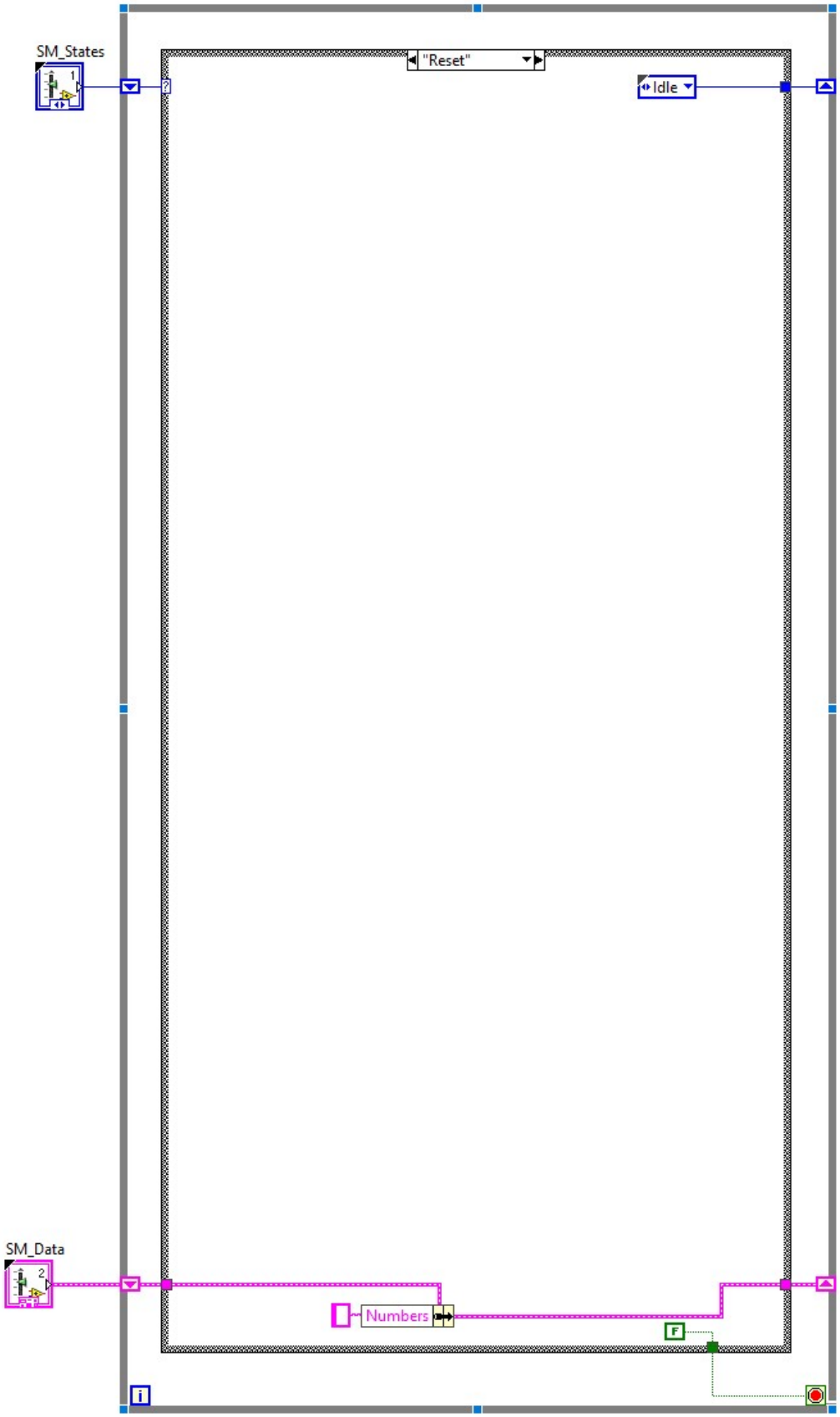
Save


database.csv
Database
Product Number
Product Name
Manufacturer
error in
error out

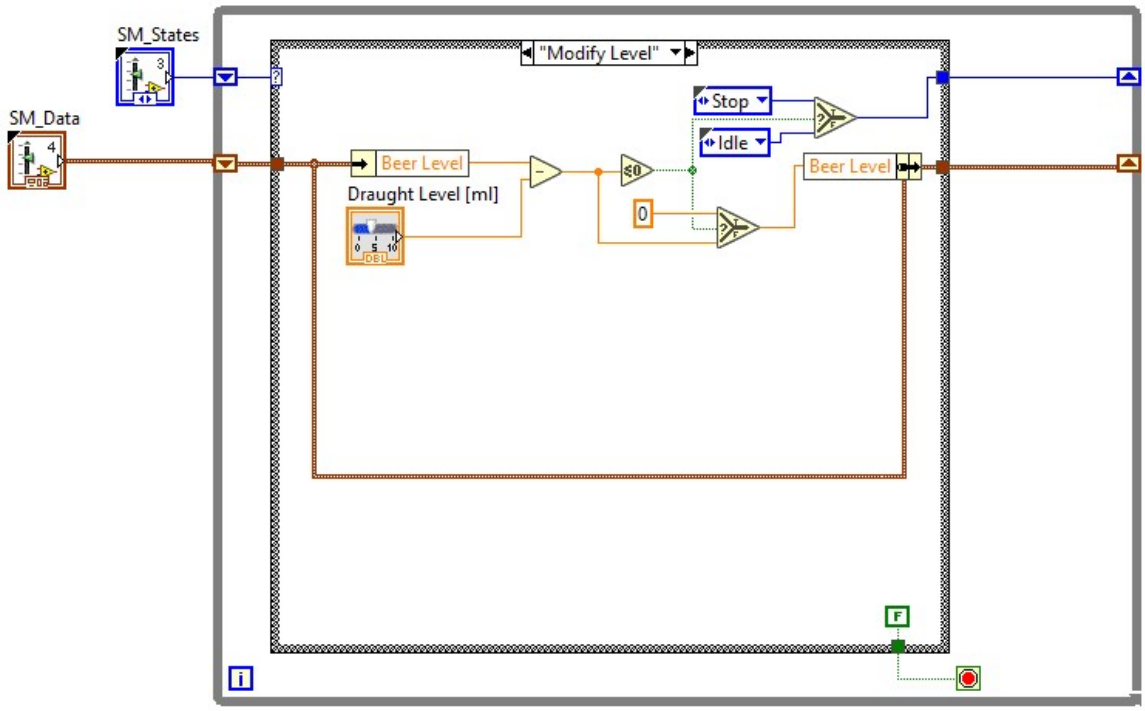
Cw_2

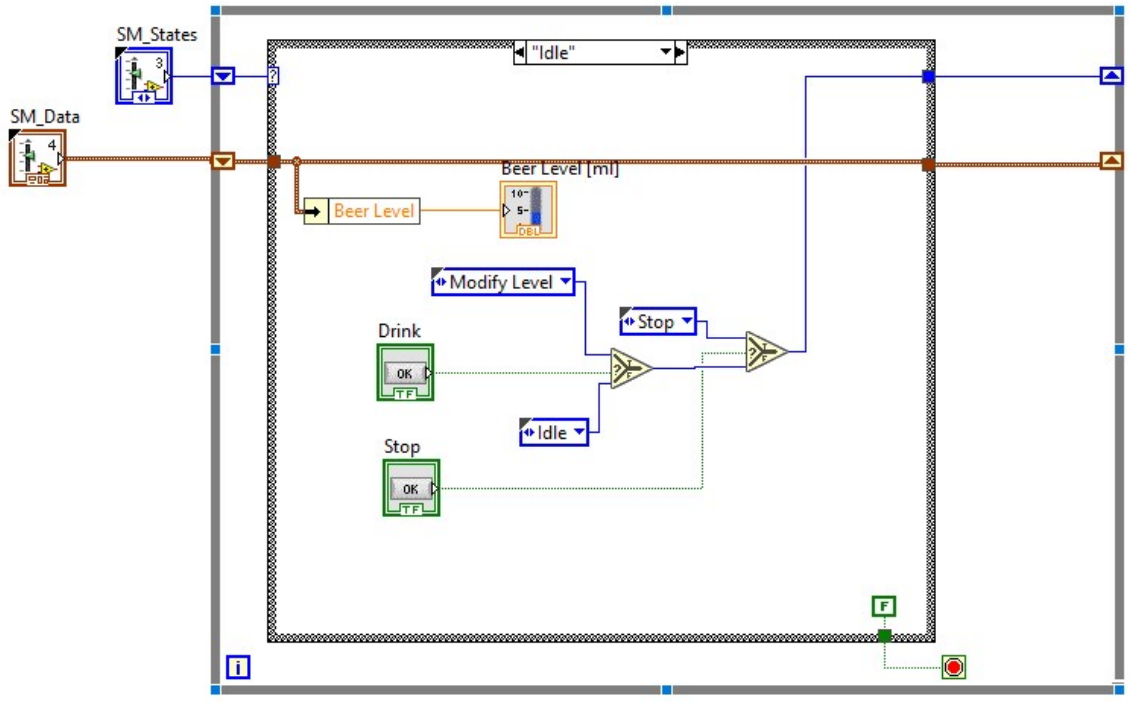

SM_States
"Idle"
OK Button
OK Button 2
OK Button 3
OK Button 4
OK Button 5
OK Button 6
OK Button 7
OK Button 8
OK Button 9
OK Button 10
Stop
Reset
-1, Default
Idle
Numbers
Numbers
Numbers
SM_Data

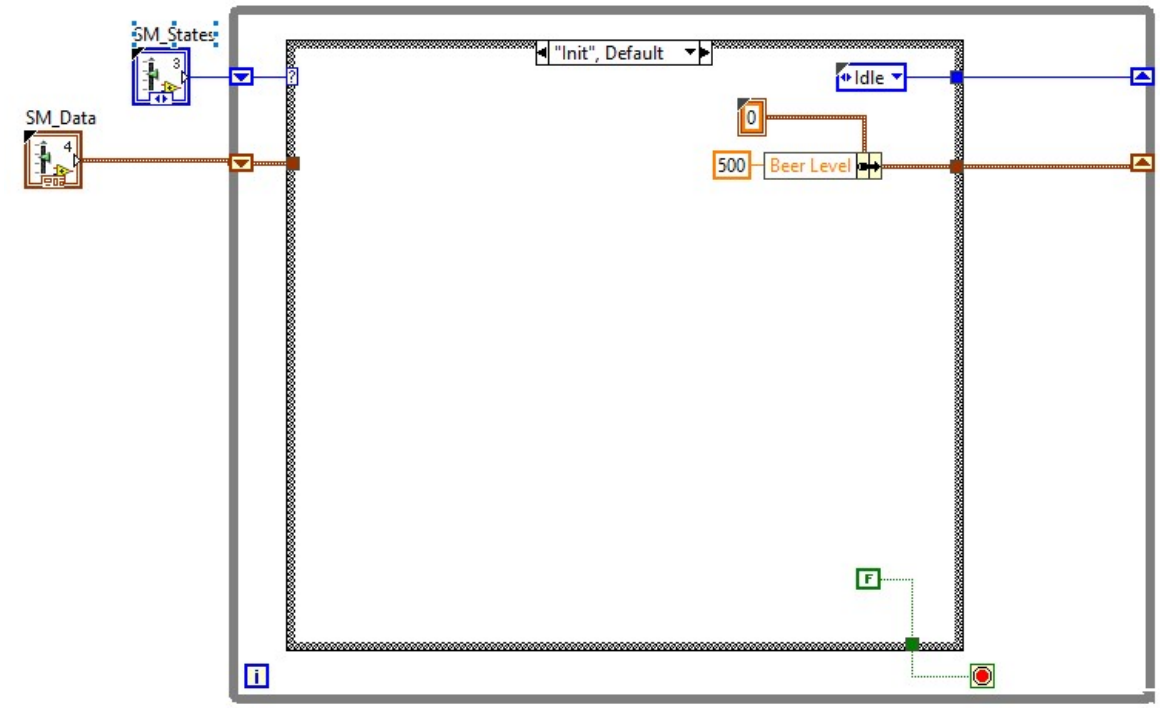

1
Idle
Numbers
abc
2
Numbers

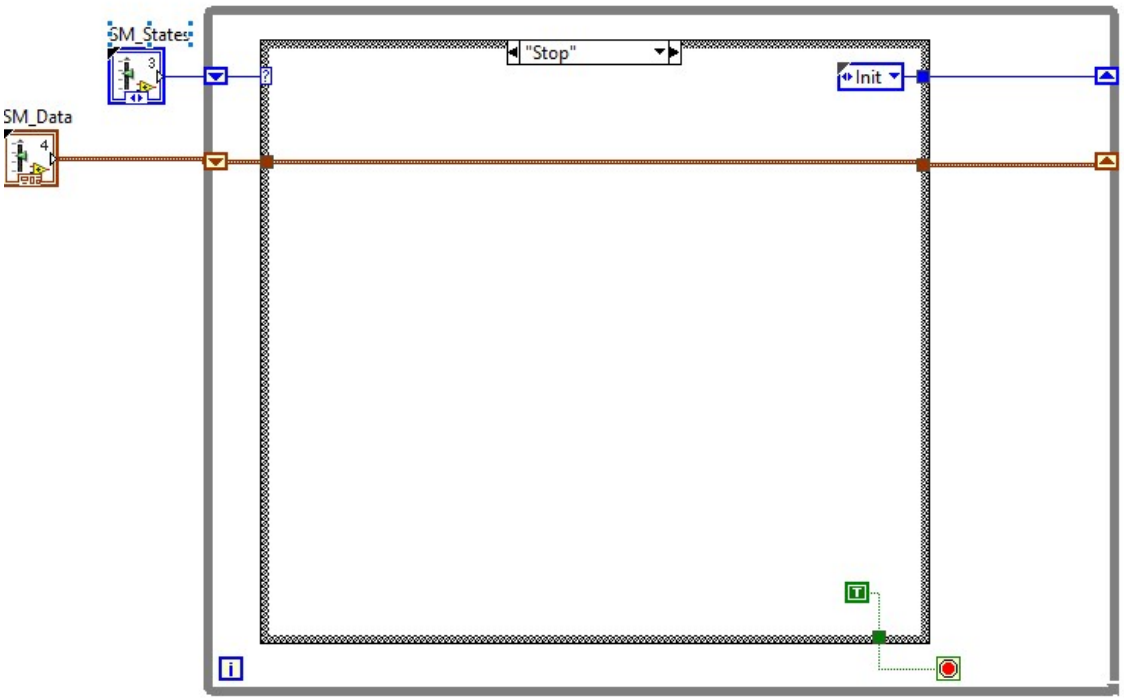

SM_States
"Reset"
Idle
SM_Data
Numbers
F
i

Cw_3

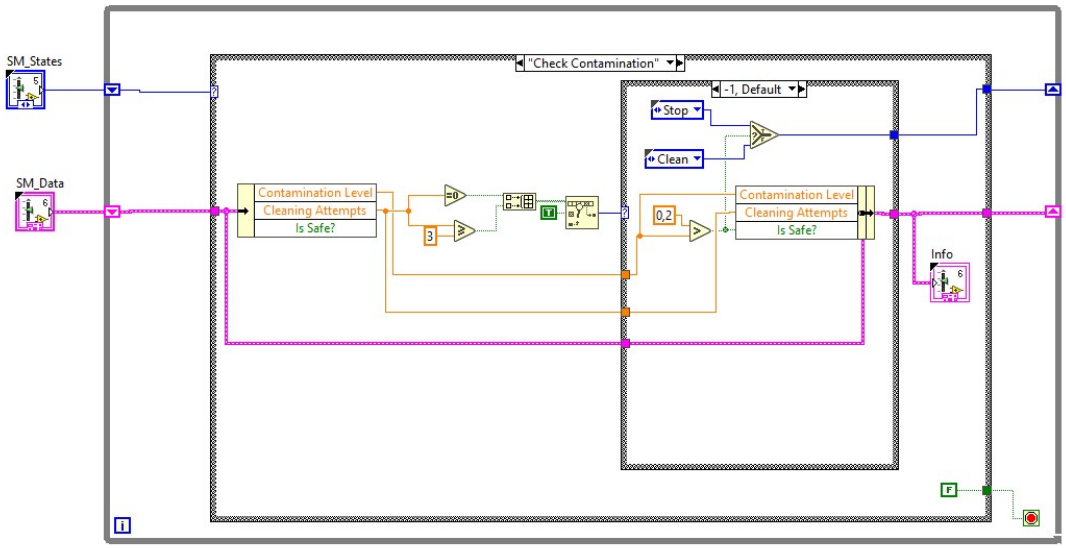

SM_States
SM_Data
"Modify Level"
Stop
Idle
Beer Level
Draught Level [ml]
Beer Level
0
F

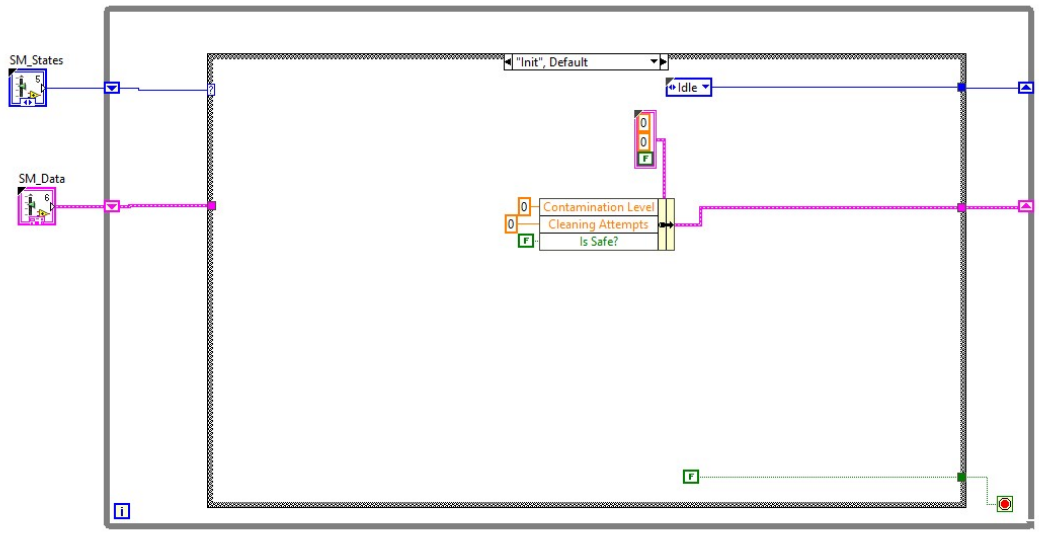

SM_States
SM_Data
"Idle"
Beer Level [ml]
Beer Level
Modify Level
Stop
Drink
OK
TF
Idle
Stop
OK
TF
F

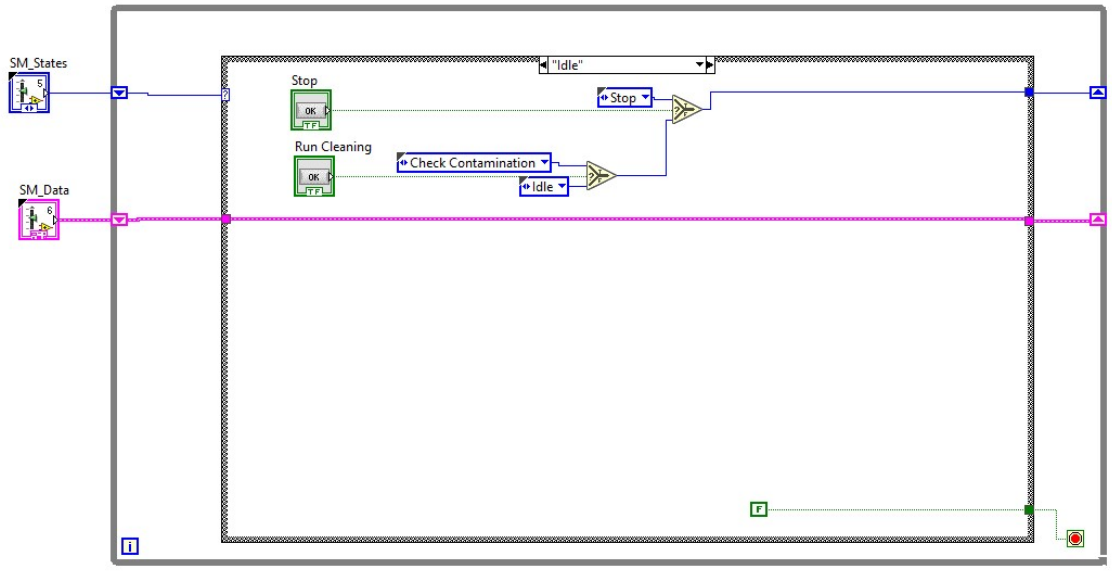

SM_States
SM_Data
"Init", Default
Idle
0
500
Beer Level
F

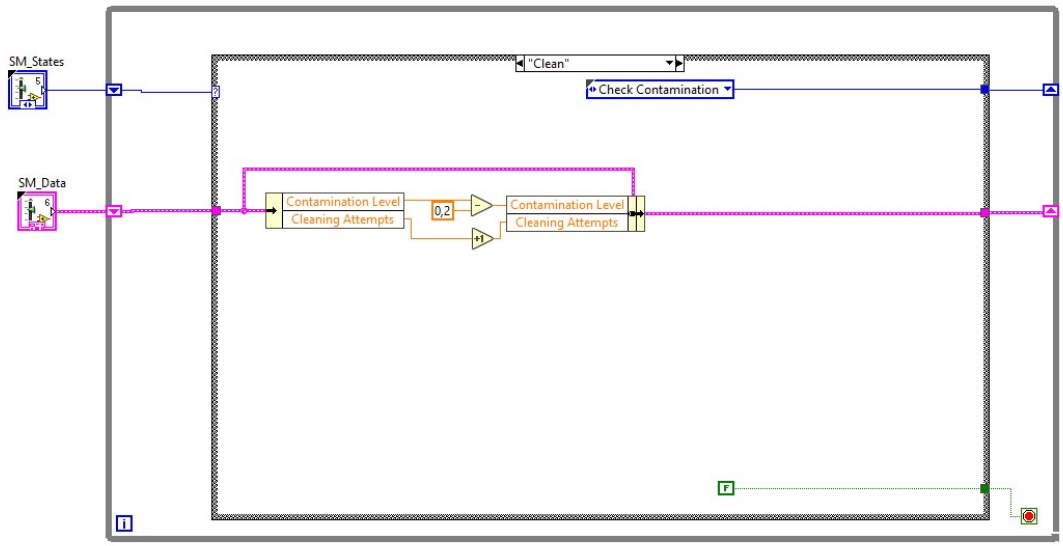

SM_States
SM_Data
"Stop"
Init
T

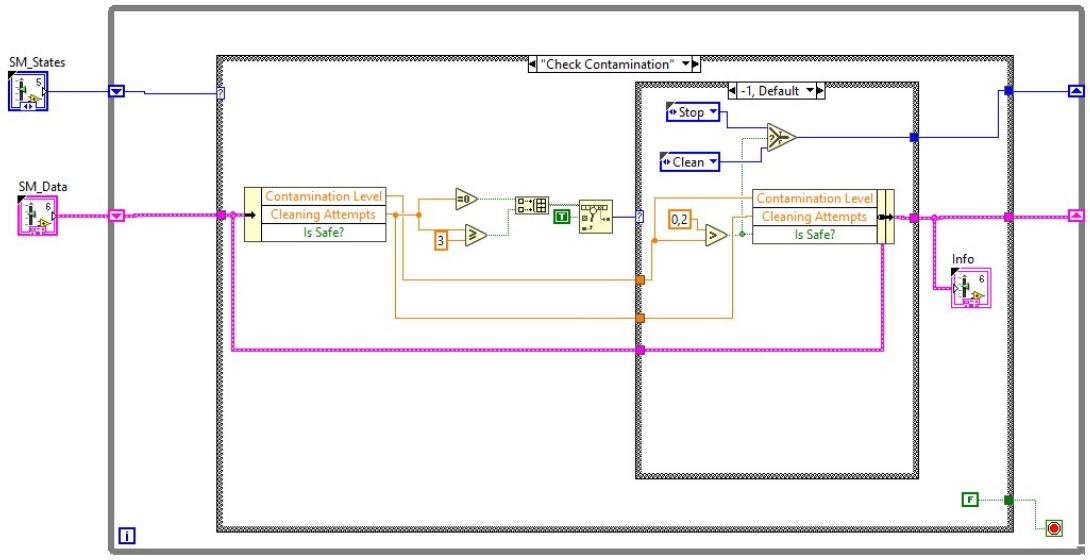
Cw_4

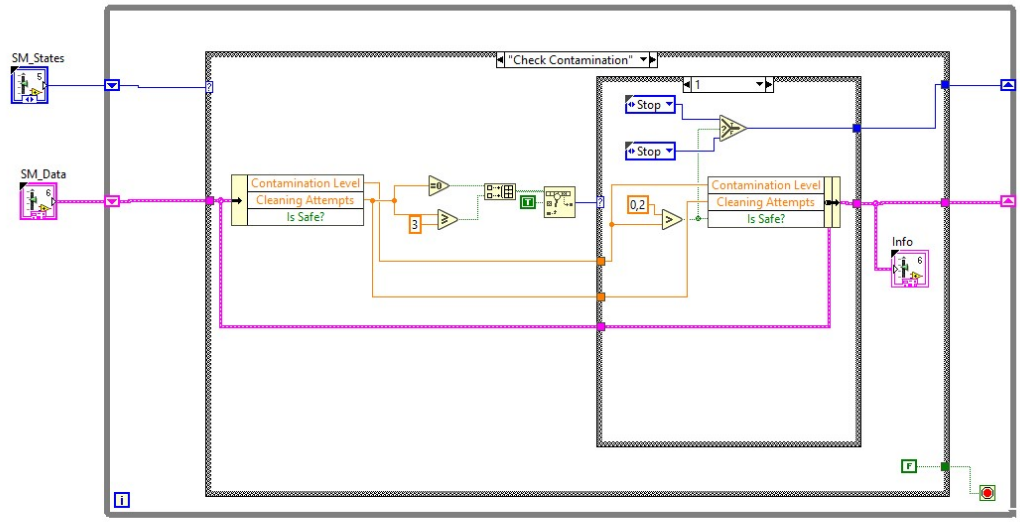

SM_States
SM_Data
"Check Contamination"
-1, Default
Stop
Clean
Contamination Level
Cleaning Attempts
Is Safe?
0,2
3
Info

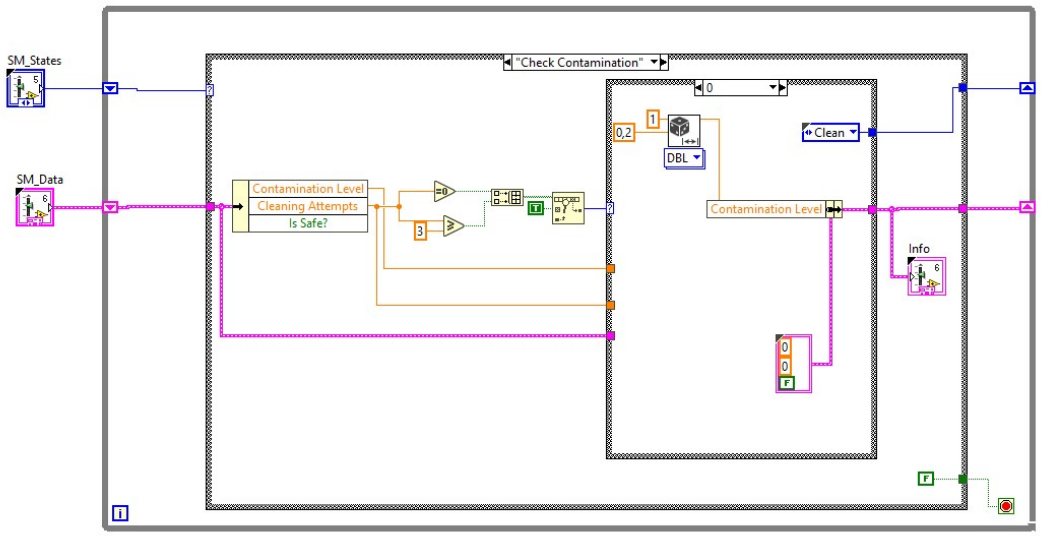

SM_States
SM_Data
"Init", Default
Idle
0
0
F
0
Contamination Level
0
Cleaning Attempts
F
Is Safe?
F
i


SM_States
SM_Data
"Idle"
Stop
OK
TF
Stop
Run Cleaning
OK
TF
Check Contamination
Idle
F
i


SM_States
SM_Data
"Clean"
Check Contamination
Contamination Level
Cleaning Attempts
0,2
-
+1
Contamination Level
Cleaning Attempts


SM_States
SM_Data
"Check Contamination"
-1, Default
Stop
Clean
Contamination Level
Cleaning Attempts
Is Safe?
3
0,2
Contamination Level
Cleaning Attempts
Is Safe?
Info


SM_States
SM_Data
"Check Contamination"
1
Stop
Stop
Contamination Level
Cleaning Attempts
Is Safe?
3
0,2
Contamination Level
Cleaning Attempts
Is Safe?
Info


SM_States
SM_Data
"Check Contamination"
0
1
0,2
DBL
Clean
Contamination Level
Cleaning Attempts
Is Safe?
3
Contamination Level
Info
0
0
F