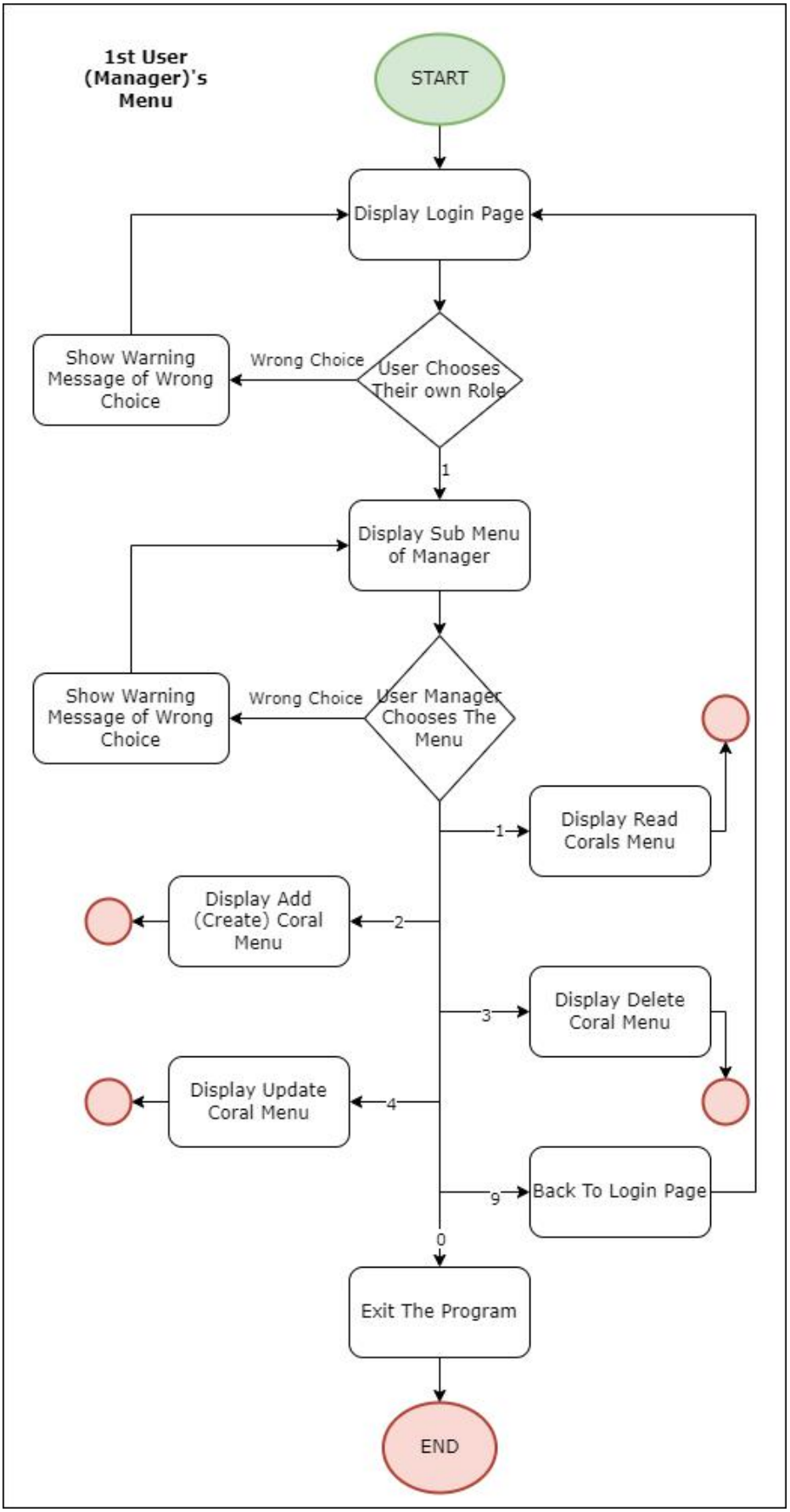
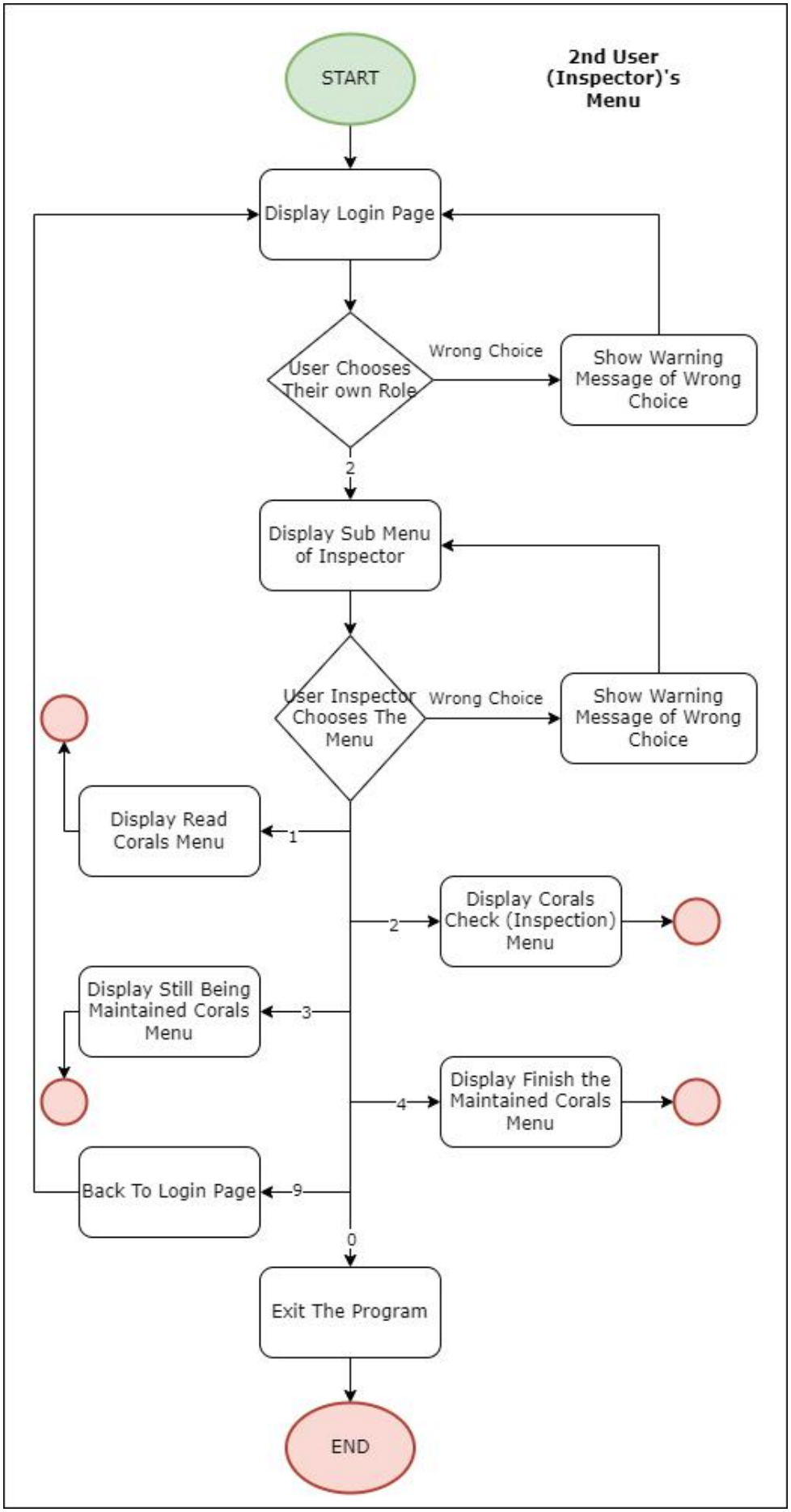
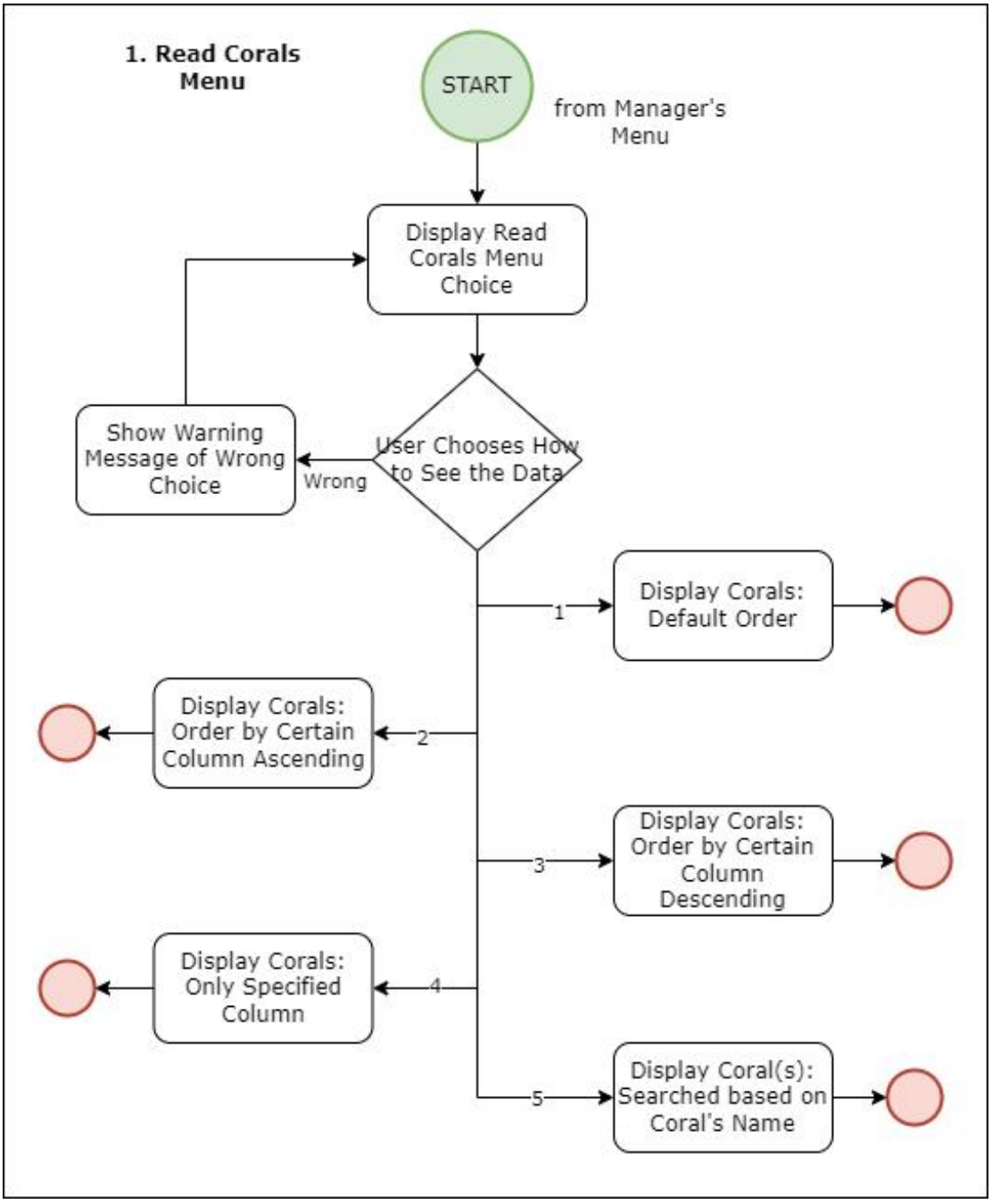
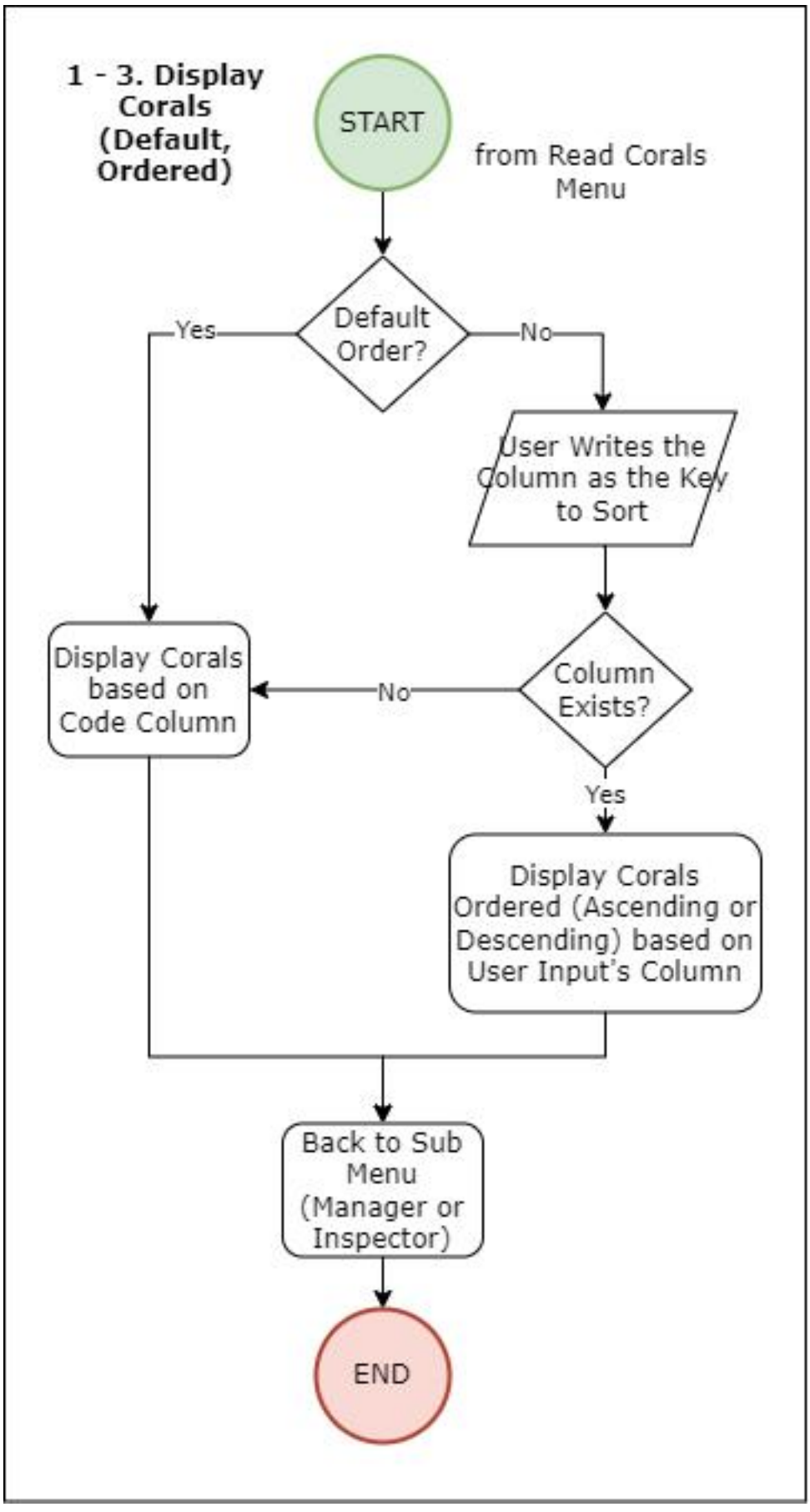
1. Login Page to Main Menu

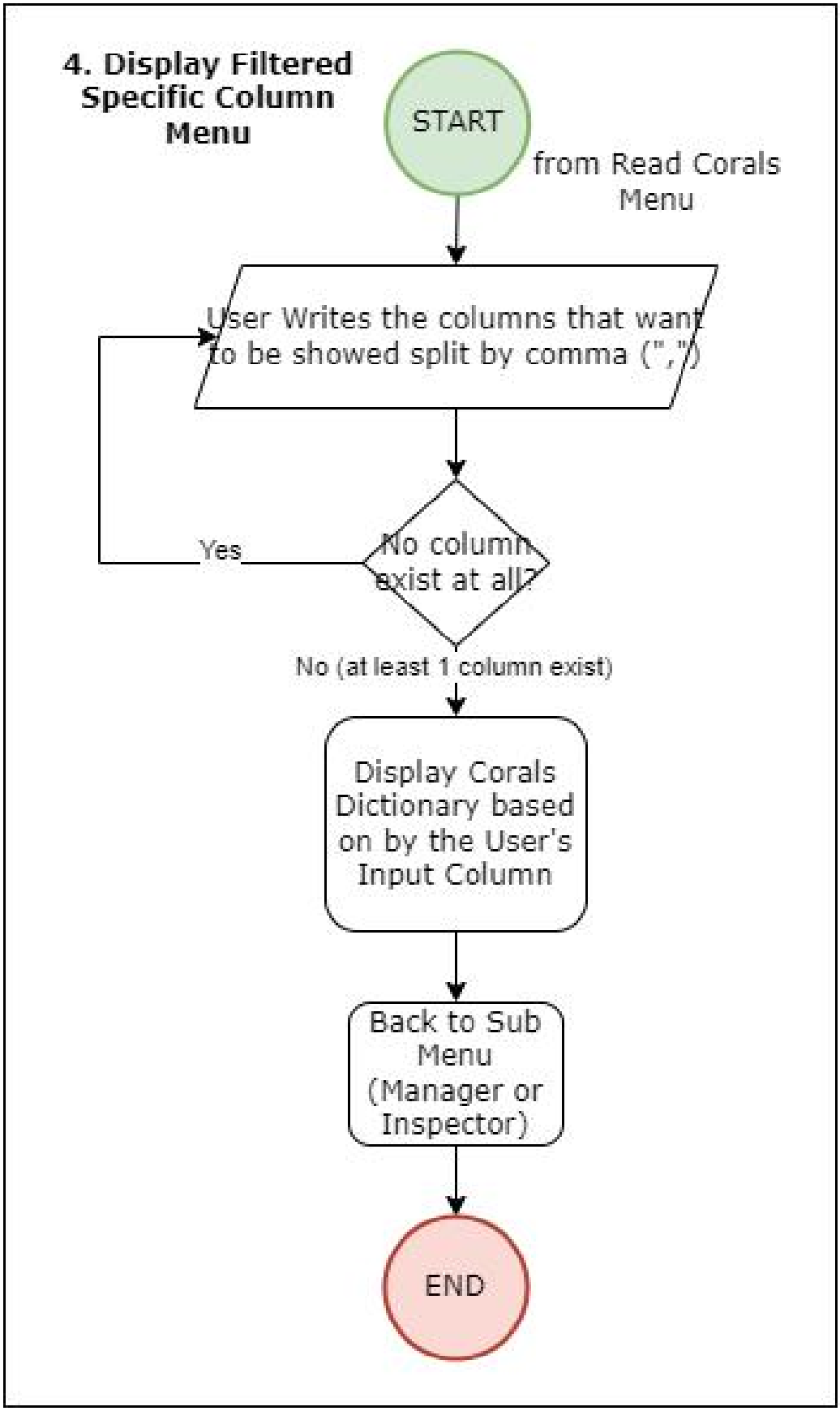



START
2nd User (Inspector)'s Menu
Display Login Page
User Chooses Their own Role
Wrong Choice
Show Warning Message of Wrong Choice
2
Display Sub Menu of Inspector
User Inspector Chooses The Menu
Wrong Choice
Show Warning Message of Wrong Choice
Display Read Corals Menu
1
Display Corals Check (Inspection) Menu
2
Display Still Being Maintained Corals Menu
3
Display Finish the Maintained Corals Menu
4
Back To Login Page
9
0
Exit The Program
END

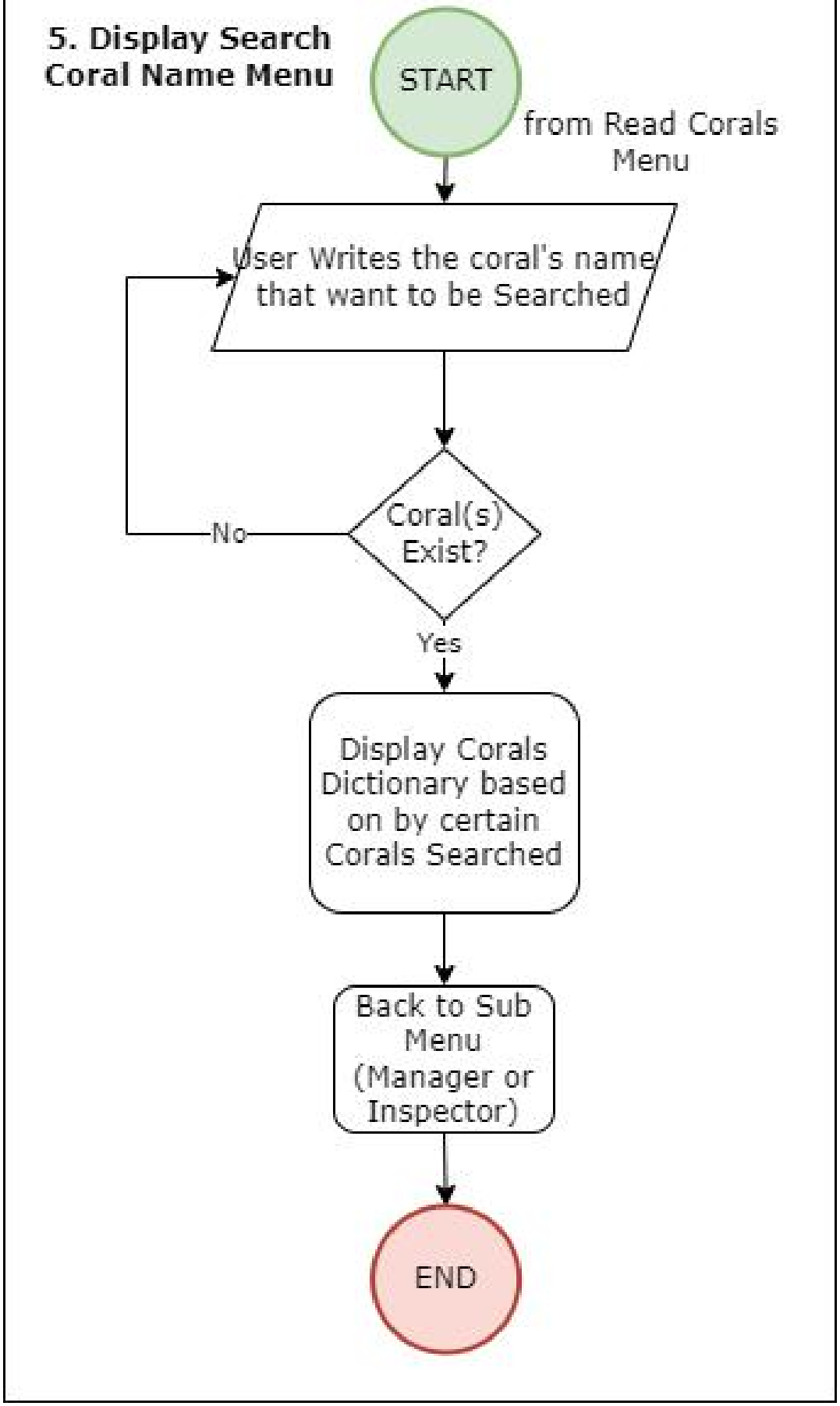
2. Read Menu (Manager & Inspector)

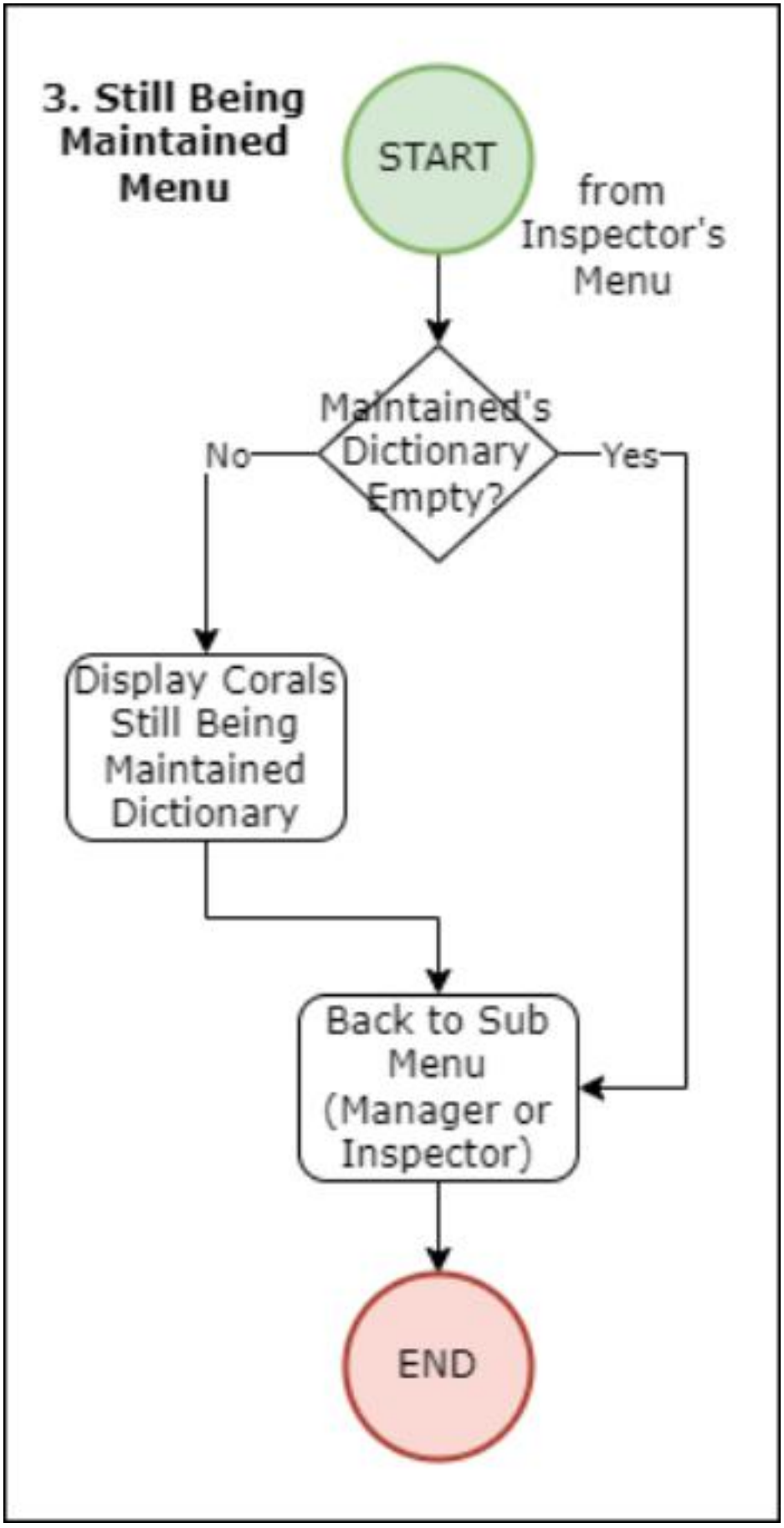



1 - 3. Display Corals (Default, Ordered)
START
from Read Corals Menu
Default Order?
Yes
No
User Writes the Column as the Key to Sort
Column Exists?
No
Yes
Display Corals based on Code Column
Display Corals Ordered (Ascending or Descending) based on User Input's Column
Back to Sub Menu (Manager or Inspector)
END

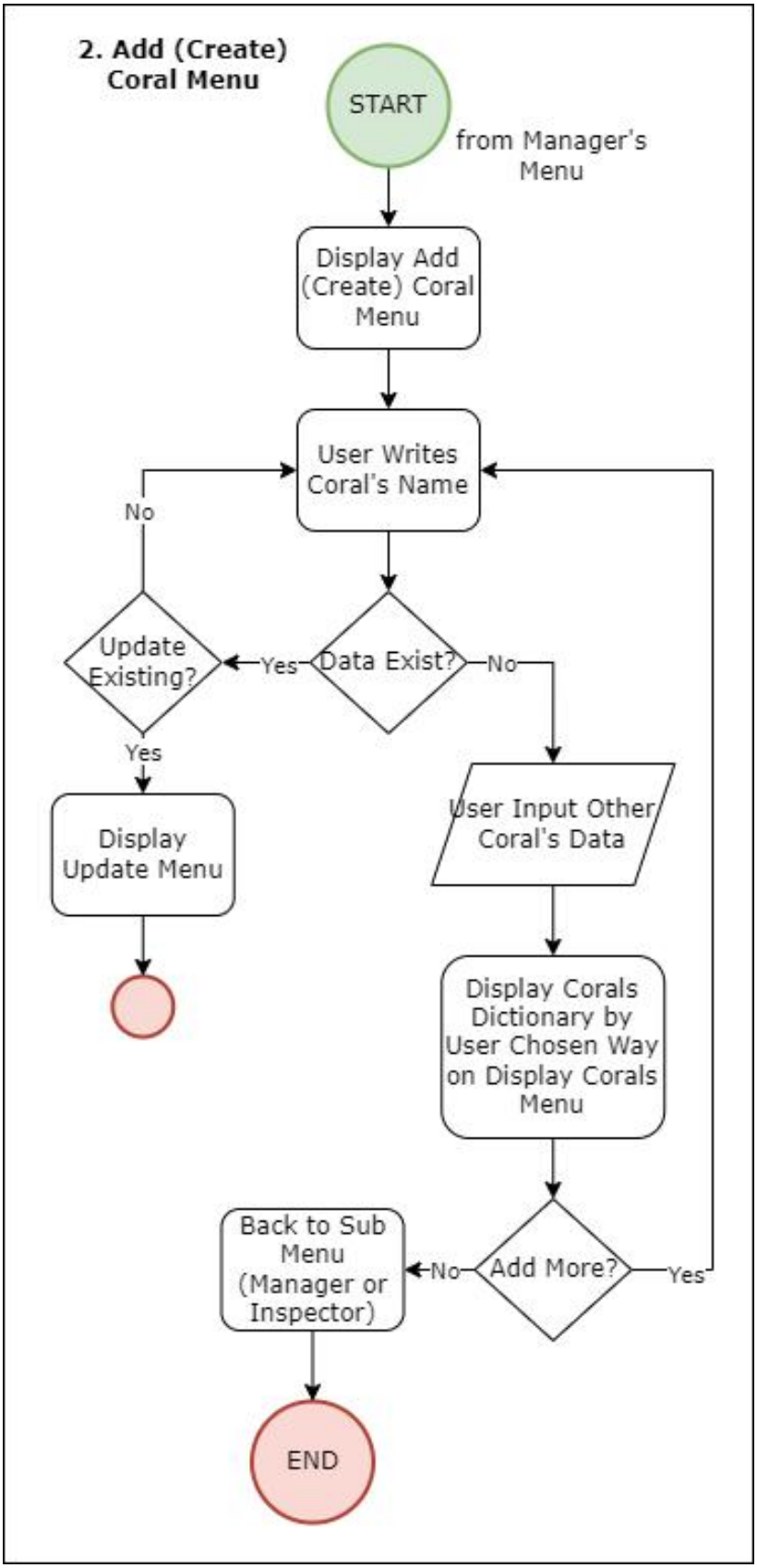

4. Display Filtered Specific Column Menu
START
from Read Corals Menu
User Writes the columns that want to be showed split by comma (",")
No column exist at all?
Yes
No (at least 1 column exist)
Display Corals Dictionary based on by the User's Input Column
Back to Sub Menu (Manager or Inspector)
END

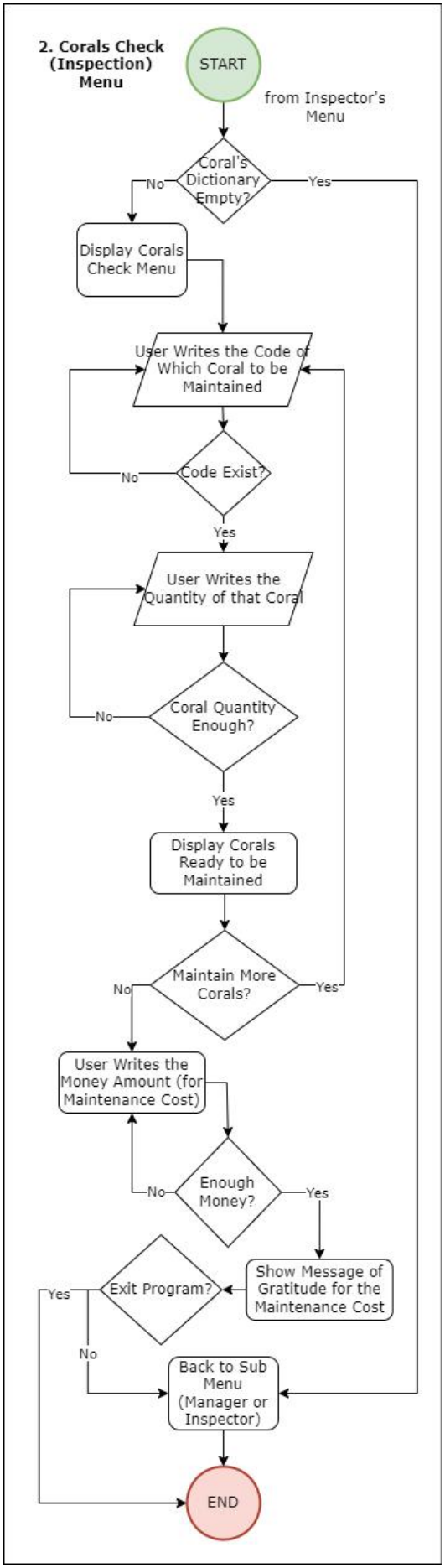
5. Display Search Coral Name Menu



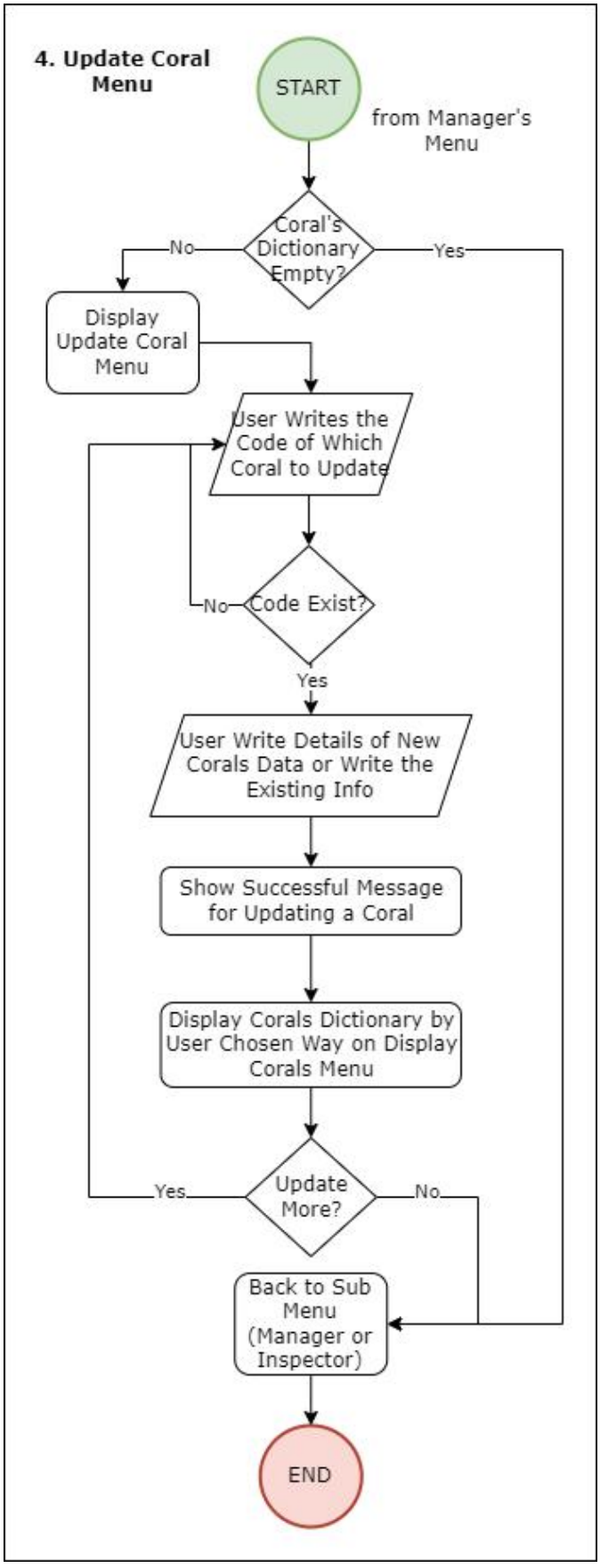

3. Still Being Maintained Menu
START
from Inspector's Menu
Maintained's Dictionary Empty?
No
Yes
Display Corals Still Being Maintained Dictionary
Back to Sub Menu (Manager or Inspector)
END

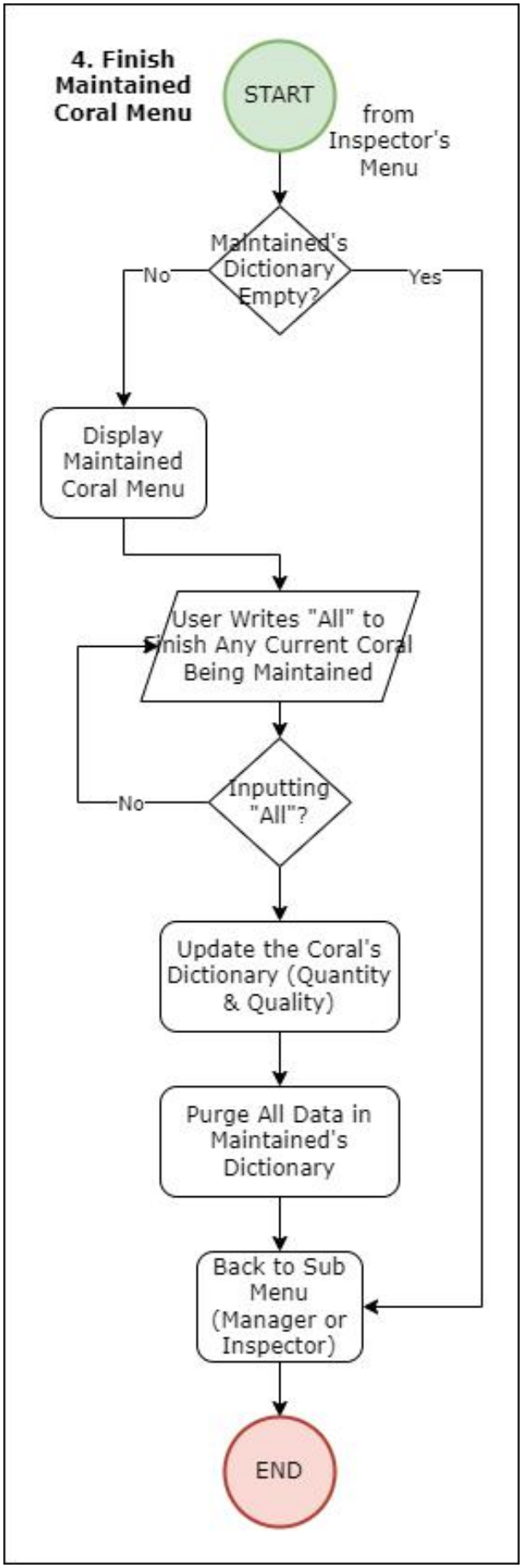
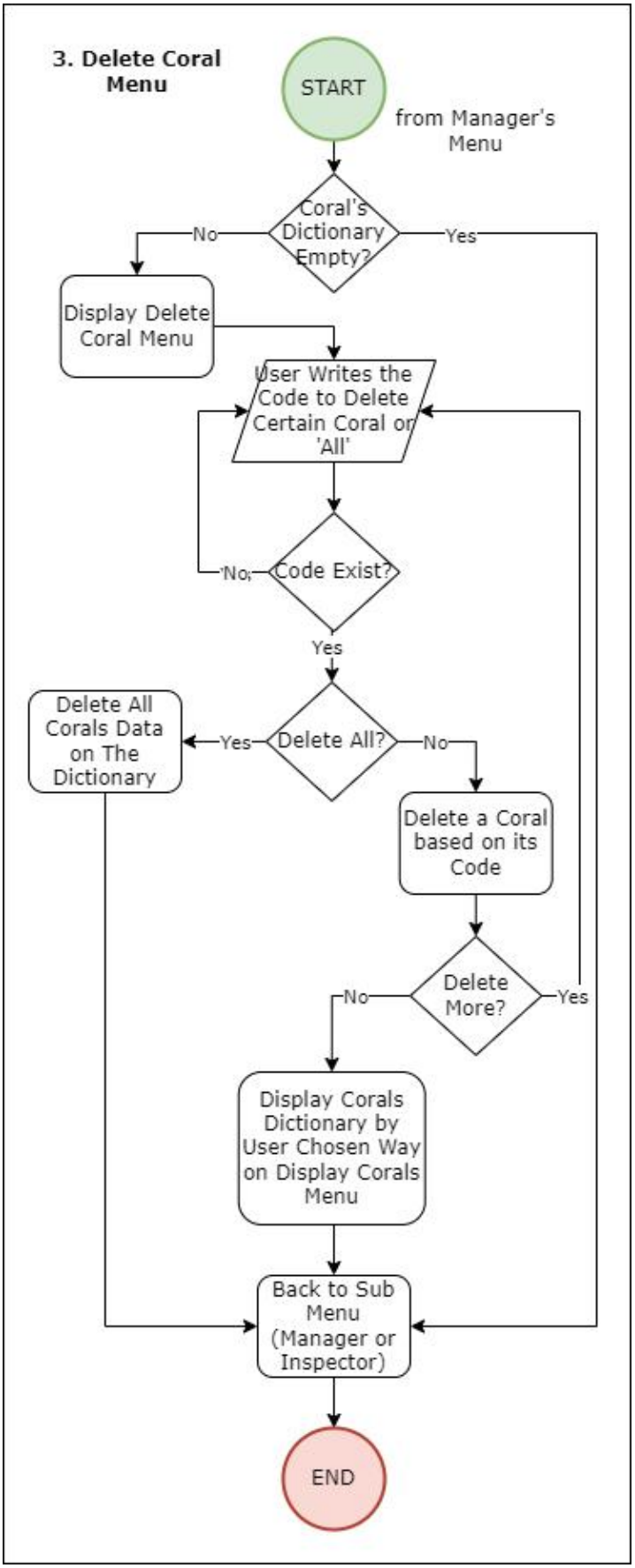
3. Create Menu (Manager & Inspector)




2. Corals Check (Inspection) Menu
START
from Inspector's Menu
Coral's Dictionary Empty?
No
Yes
Display Corals Check Menu
User Writes the Code of Which Coral to be Maintained
Code Exist?
No
Yes
User Writes the Quantity of that Coral
Coral Quantity Enough?
No
Yes
Display Corals Ready to be Maintained
Maintain More Corals?
No
Yes
User Writes the Money Amount (for Maintenance Cost)
Enough Money?
No
Yes
Show Message of Gratitude for the Maintenance Cost
Exit Program?
Yes
No
Back to Sub Menu (Manager or Inspector)
END

4. Update Menu (Manager & Inspector)




4. Finish Maintained Coral Menu
START
from Inspector's Menu
Maintained's Dictionary Empty?
No
Yes
Display Maintained Coral Menu
User Writes "All" to Finish Any Current Coral Being Maintained
Inputting "All"?
No
Update the Coral's Dictionary (Quantity & Quality)
Purge All Data in Maintained's Dictionary
Back to Sub Menu (Manager or Inspector)
END

5. Delete Menu (Manager)