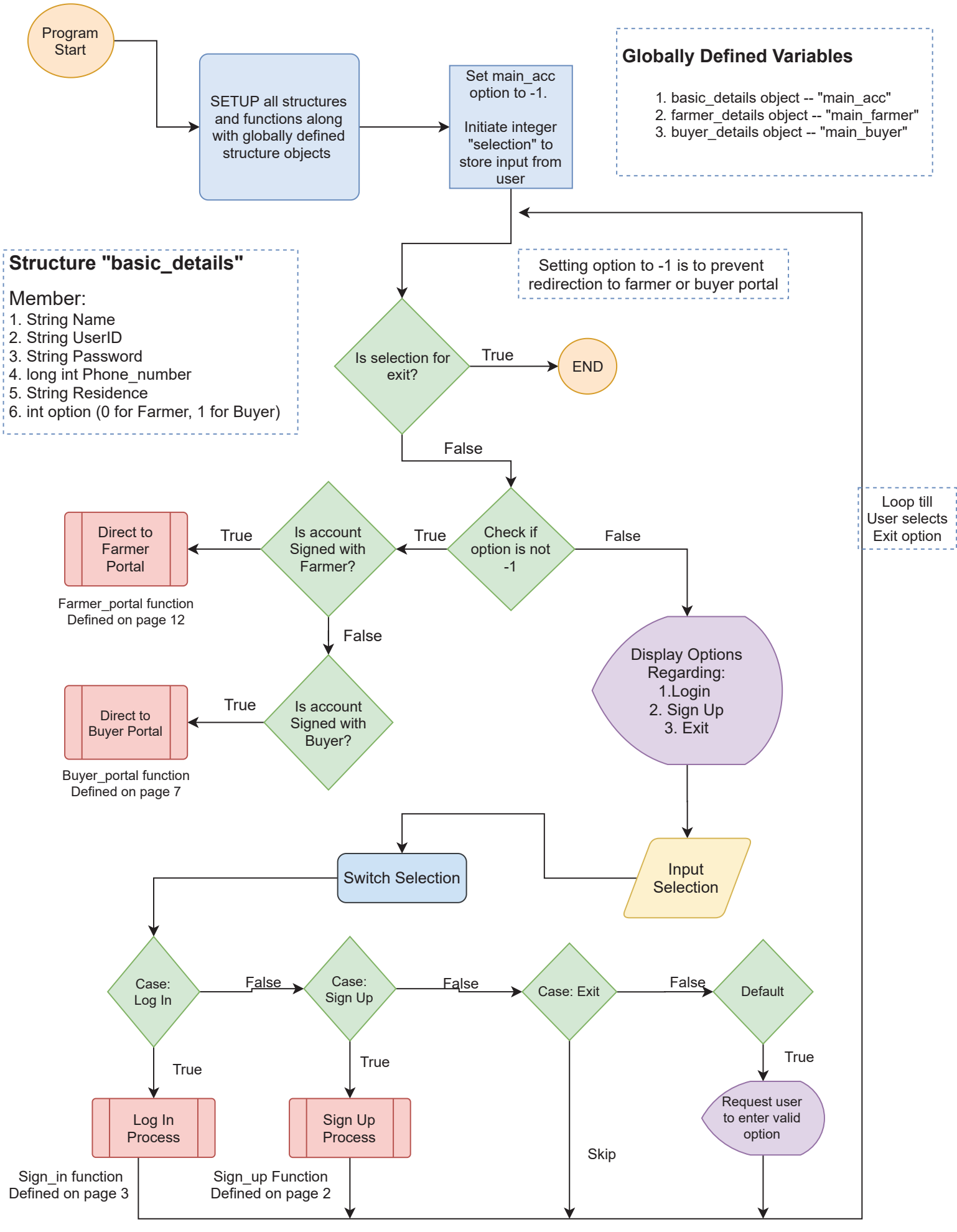
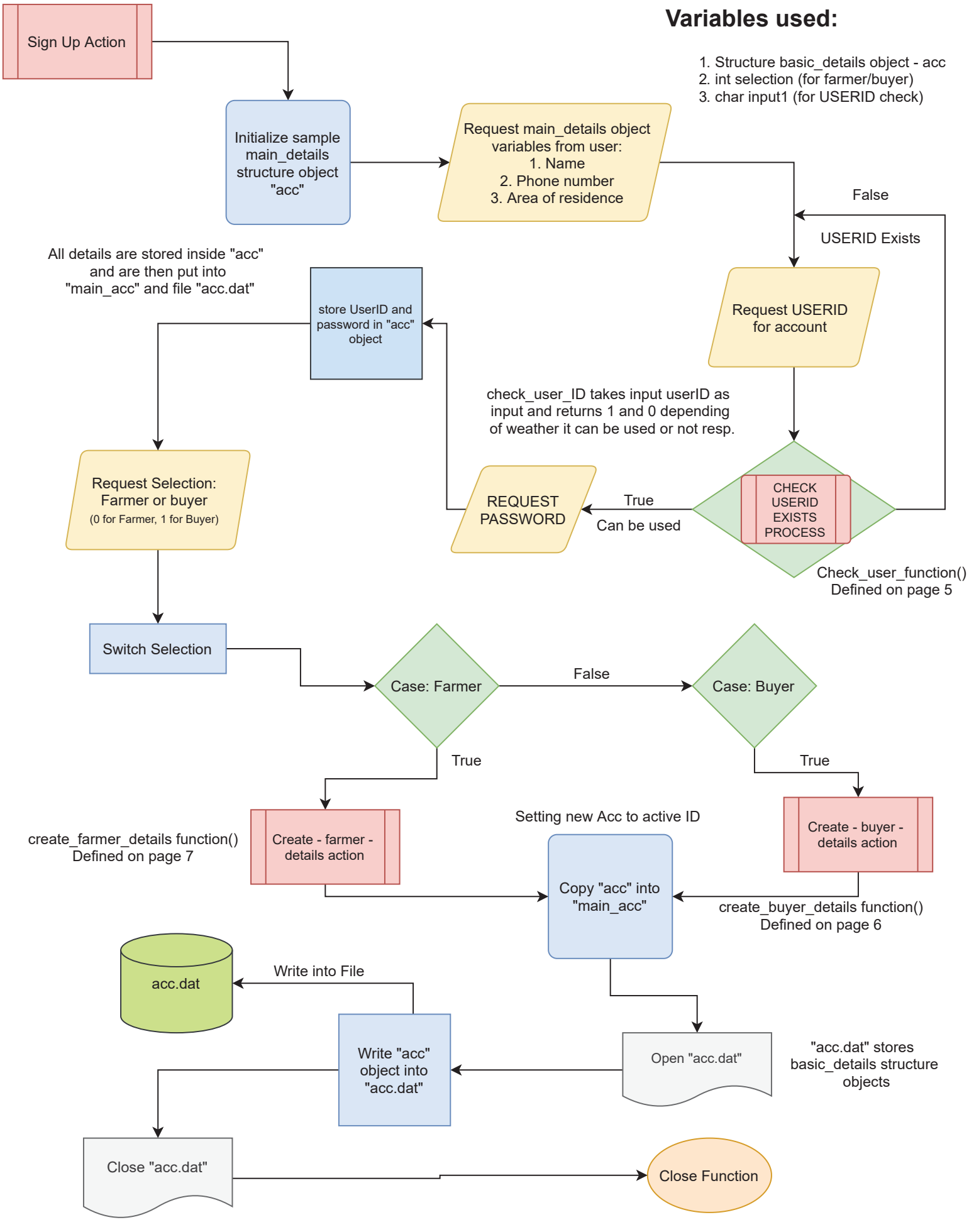
PROJECT NAME: FarmHouse

Group Member: Dhruv B. & Pranshu Shukla



SIGN UP FUNCTION

Used to Add a new account to the database



Sign In function

Used to Log-In into a new acc

struct farmer_details

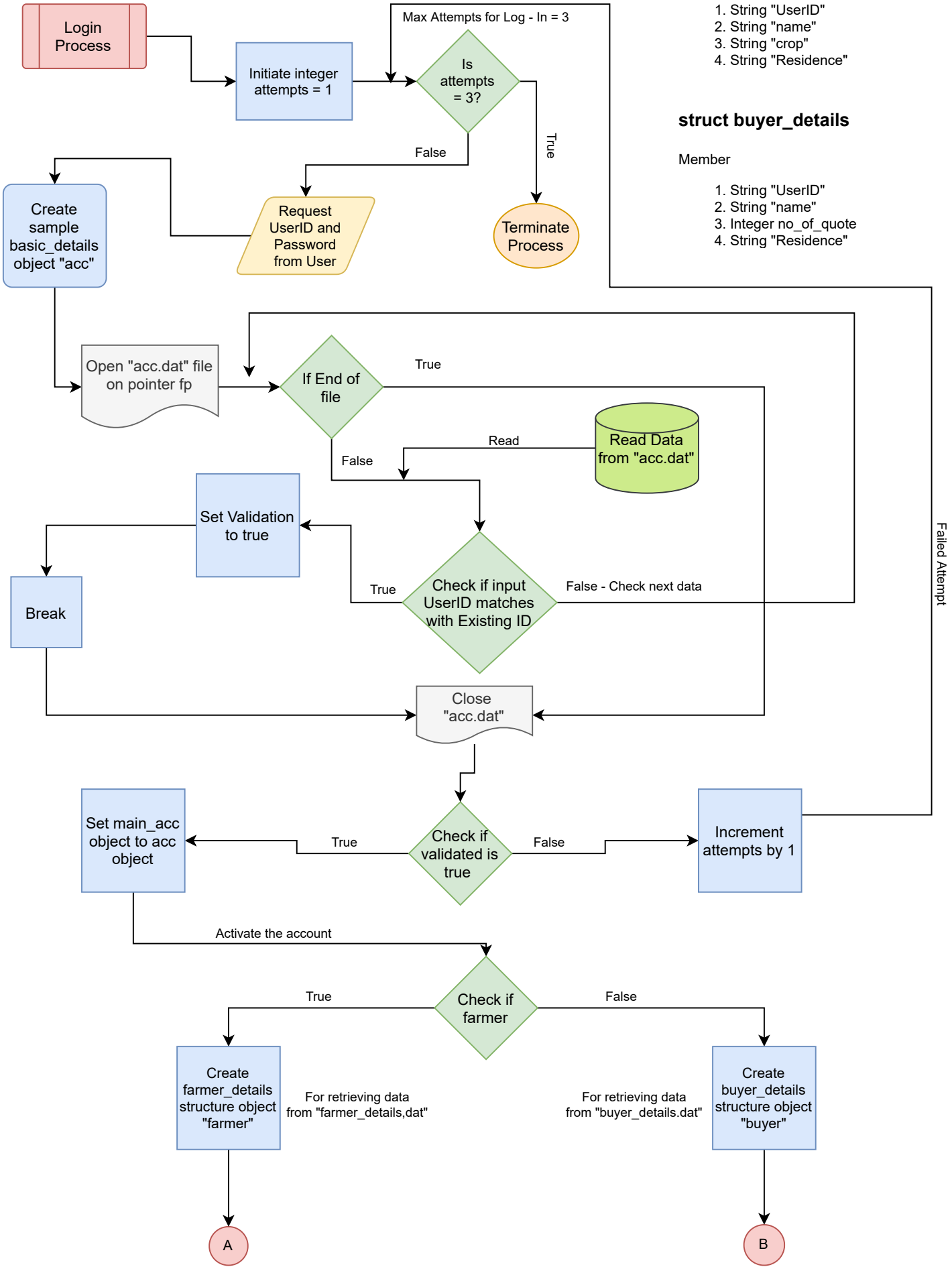
Member

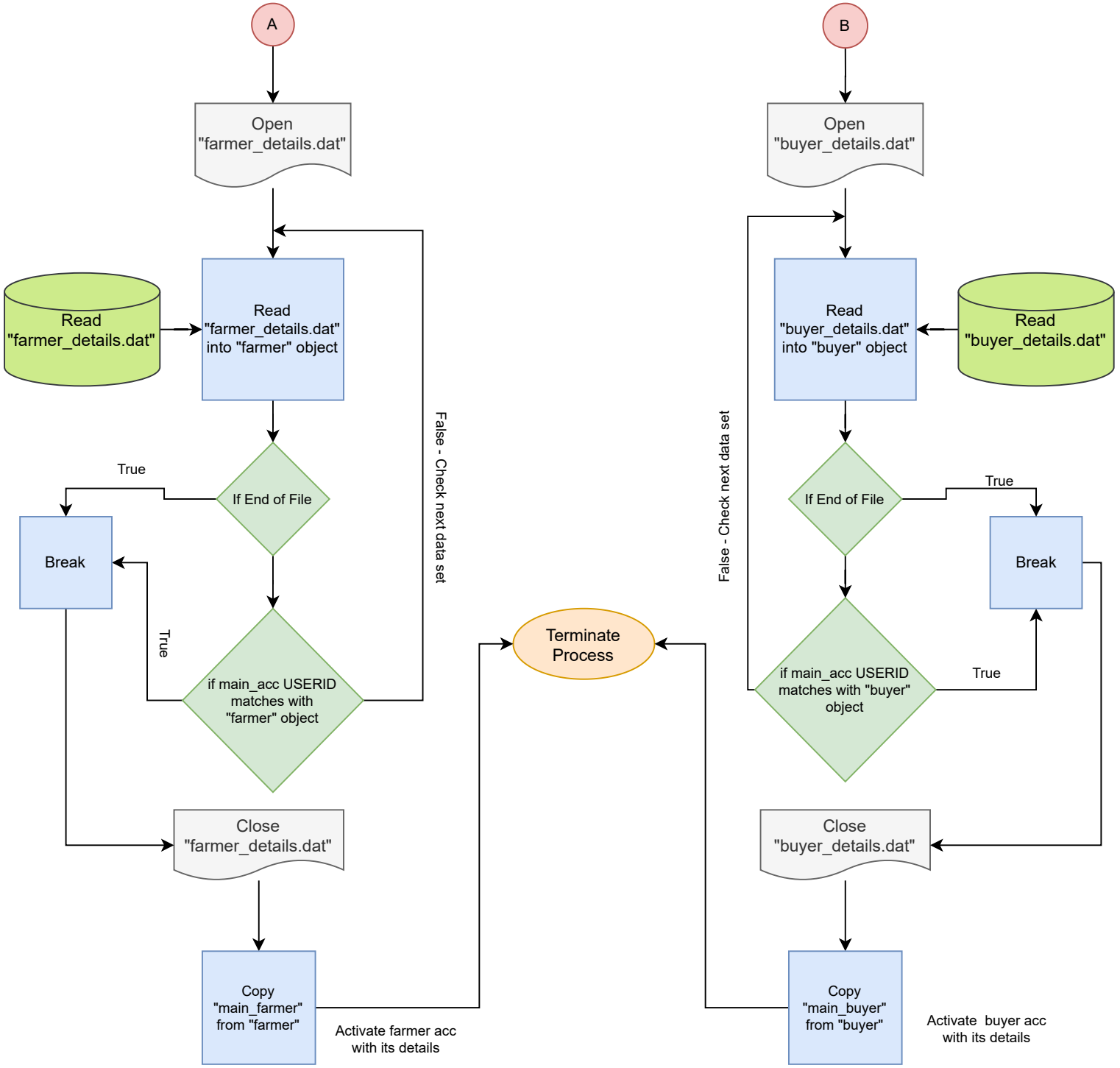
1. String "UserID"
2. String "name"
3. String "crop"
4. String "Residence"

struct buyer_details

Member

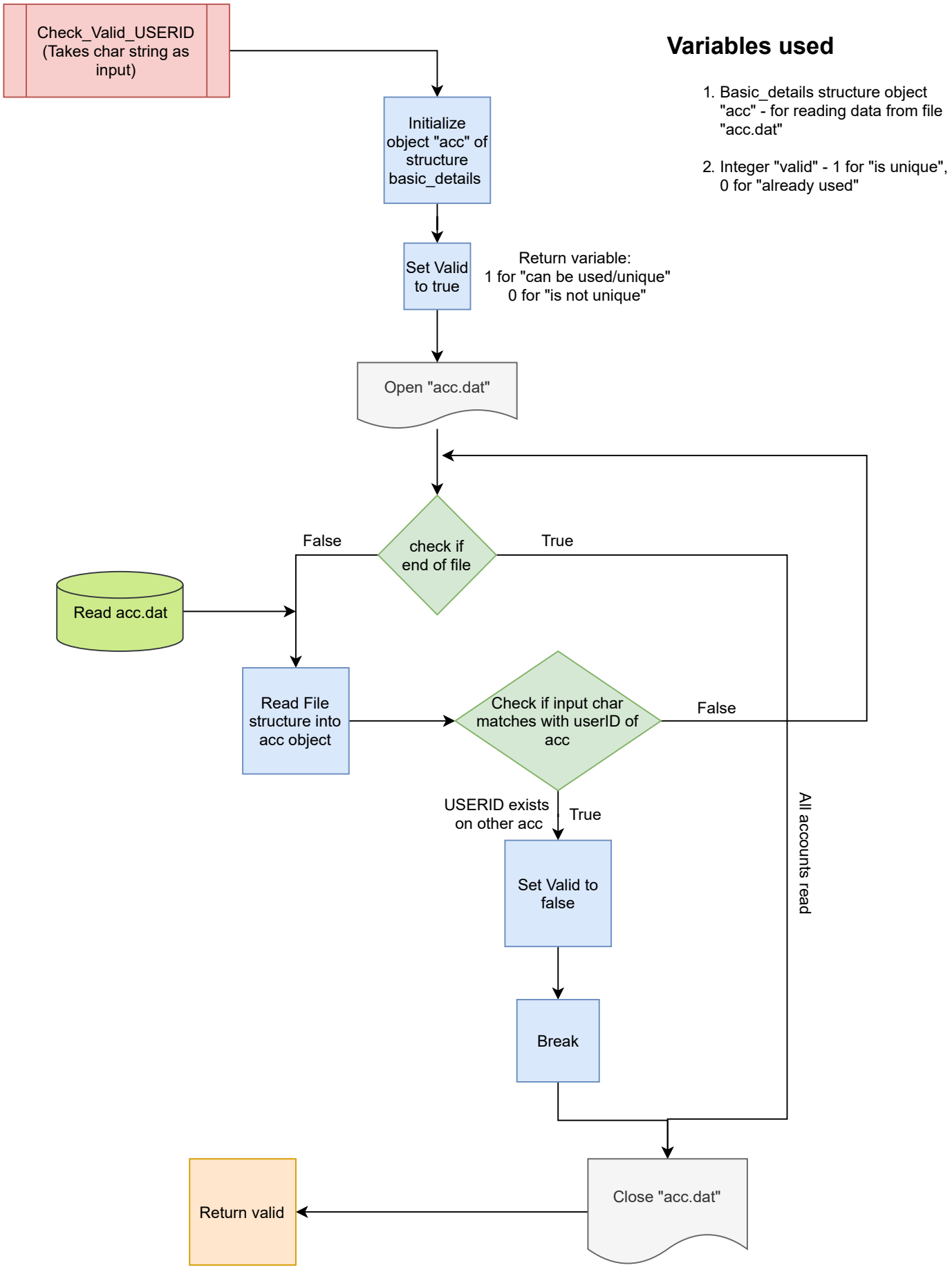
1. String "UserID"
2. String "name"
3. Integer no_of_quote
4. String "Residence"




A
Open "farmer_details.dat"
Read "farmer_details.dat"
Read "farmer_details.dat" into "farmer" object
If End of File
True
Break
True
if main_acc USERID matches with "farmer" object
False - Check next data set
Close "farmer_details.dat"
Copy "main_farmer" from "farmer"
Activate farmer acc with its details
Terminate Process
B
Open "buyer_details.dat"
Read "buyer_details.dat" into "buyer" object
Read "buyer_details.dat"
If End of File
True
Break
False - Check next data set
if main_acc USERID matches with "buyer" object
True
Close "buyer_details.dat"
Copy "main_buyer" from "buyer"
Activate buyer acc with its details

check_valid_userID

Used to check if the string the function is called is unique compared to other IDs

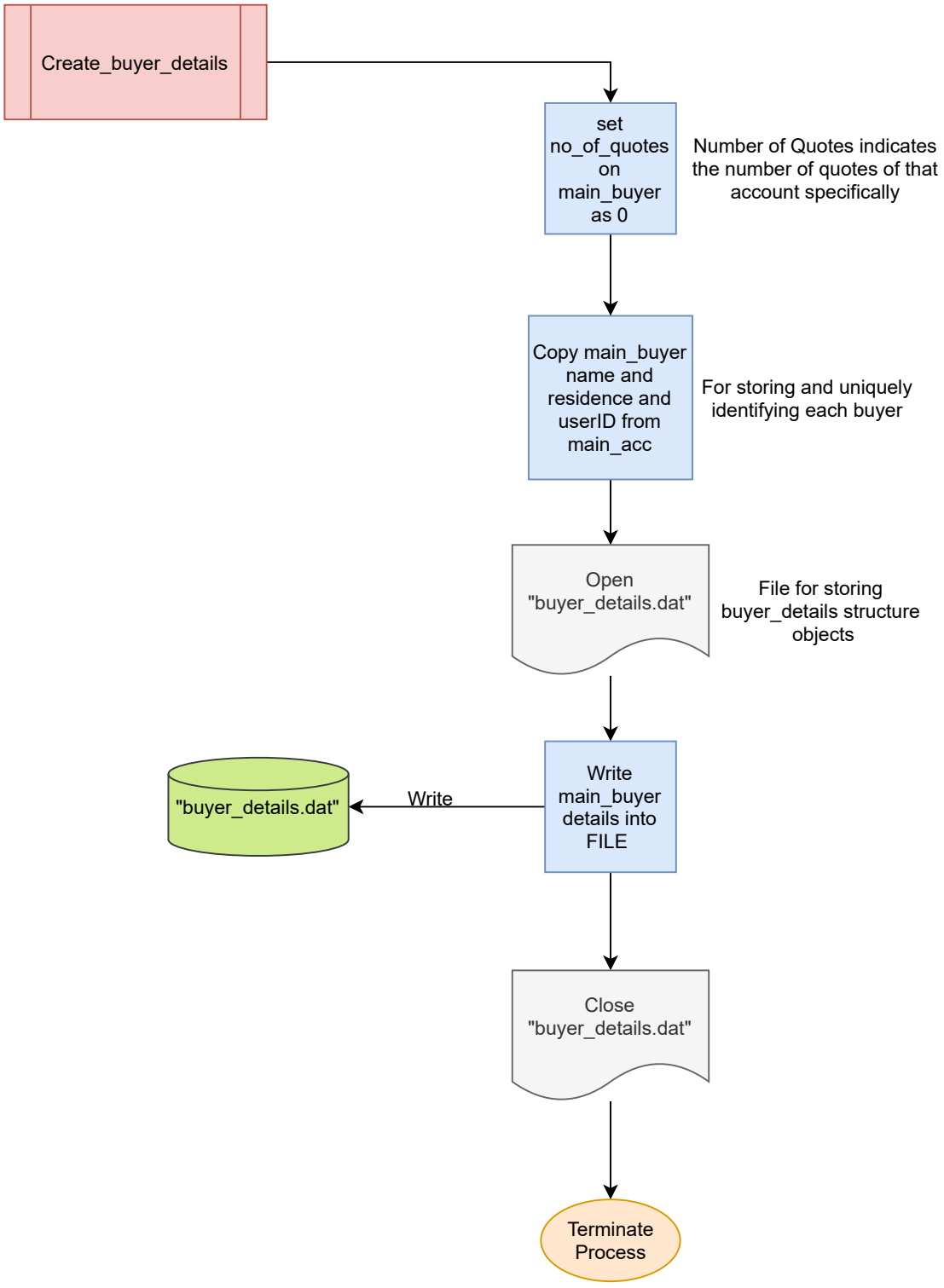


Variables used

1. Basic_details structure object "acc" - for reading data from file "acc.dat"
2. Integer "valid" - 1 for "is unique", 0 for "already used"

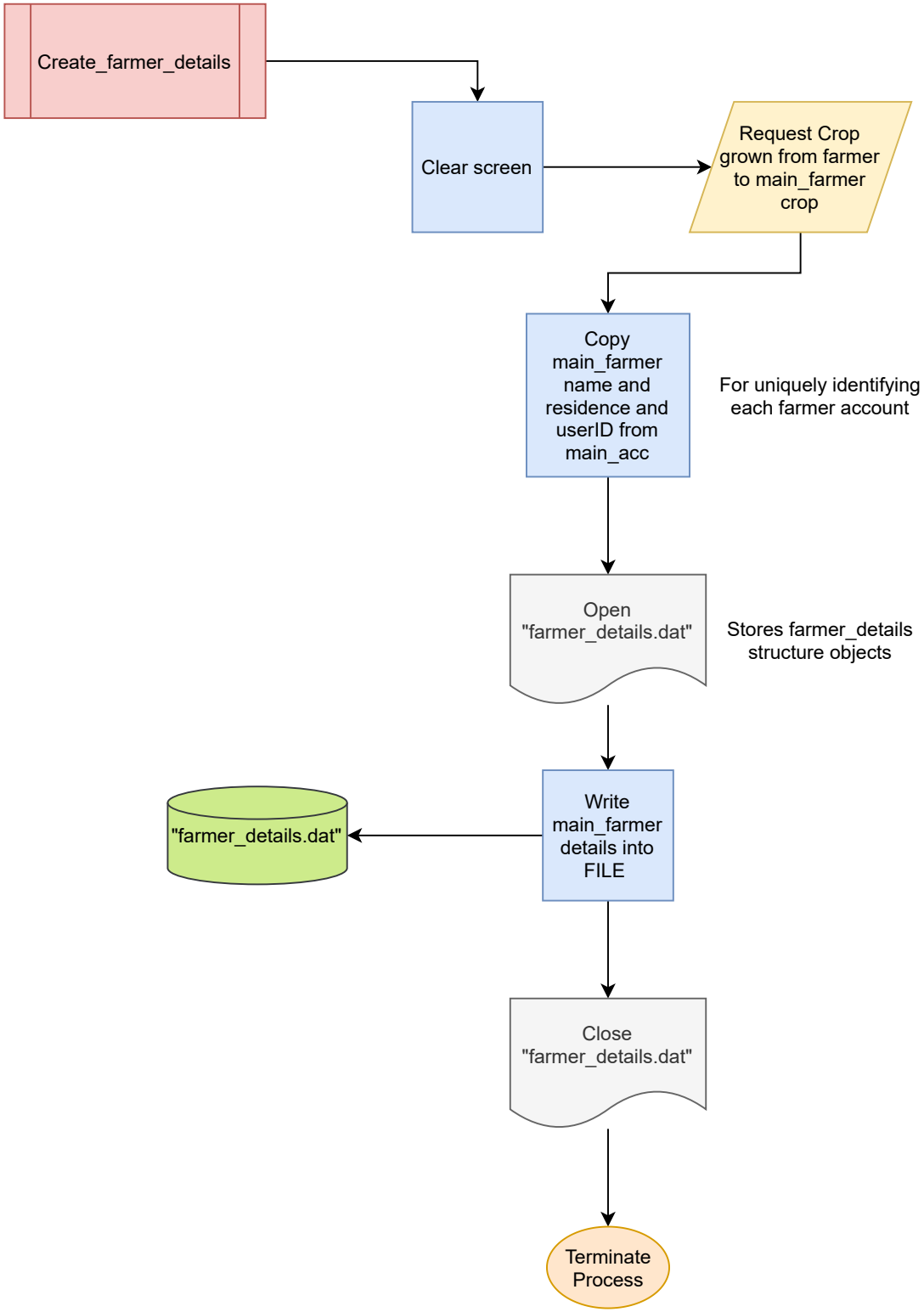
create_buyer_details

Creates new buyer account and makes it active.



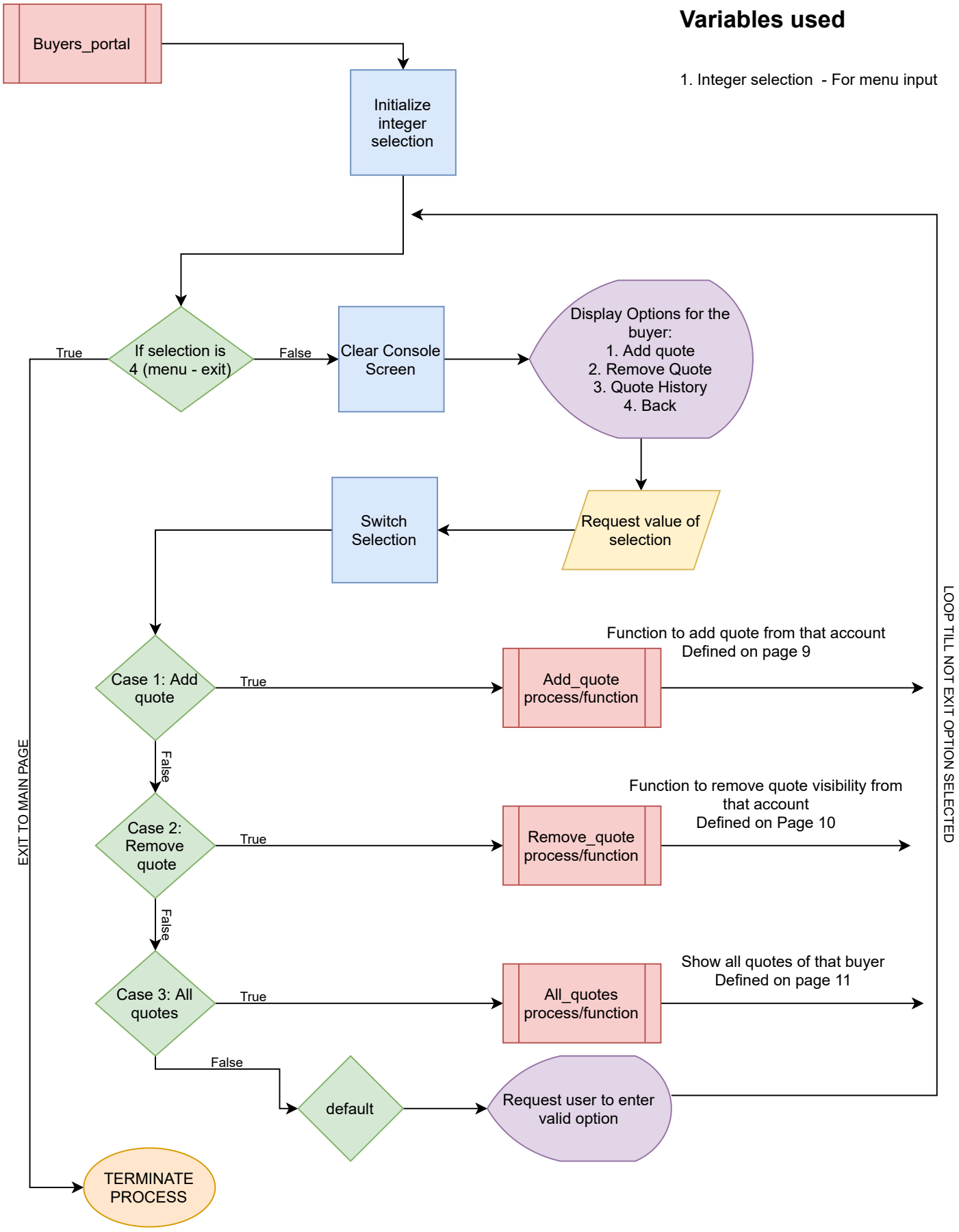
Create_farmer_details

Creates farmer details entry in file and sets to active account



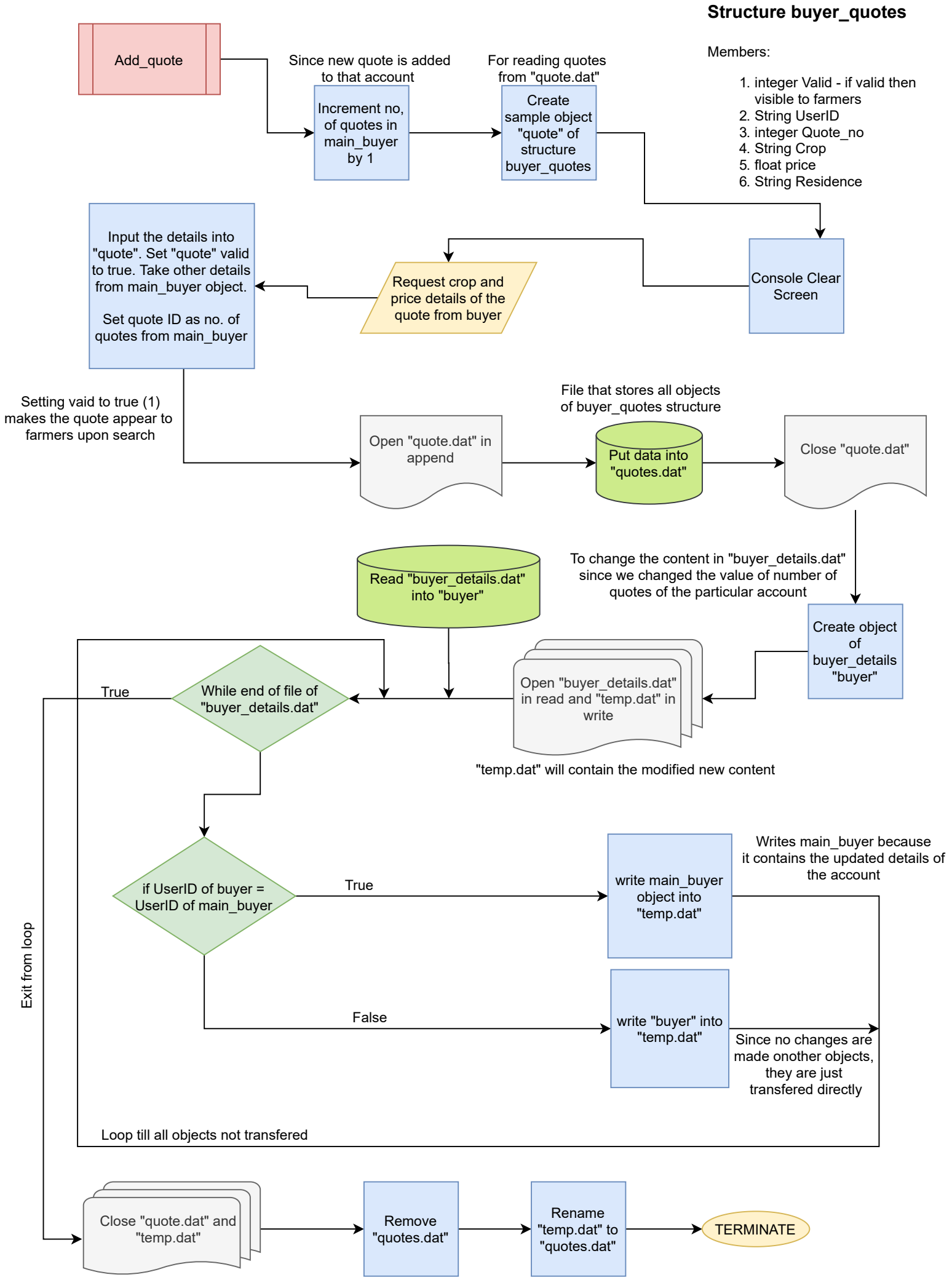
Buyer Portal

Displays Options for user if Buyer



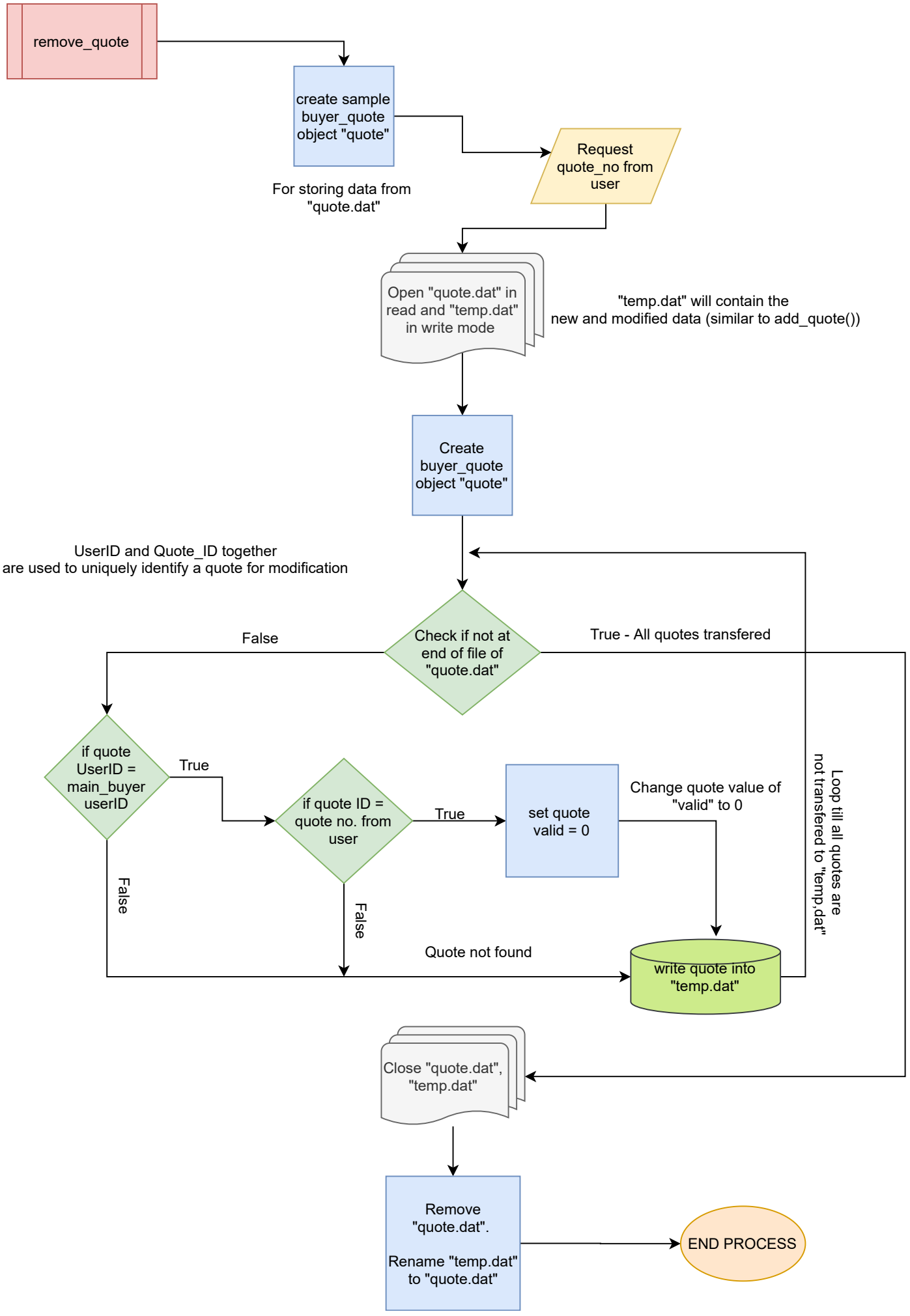
Add_quote()

Add Quote entry to database



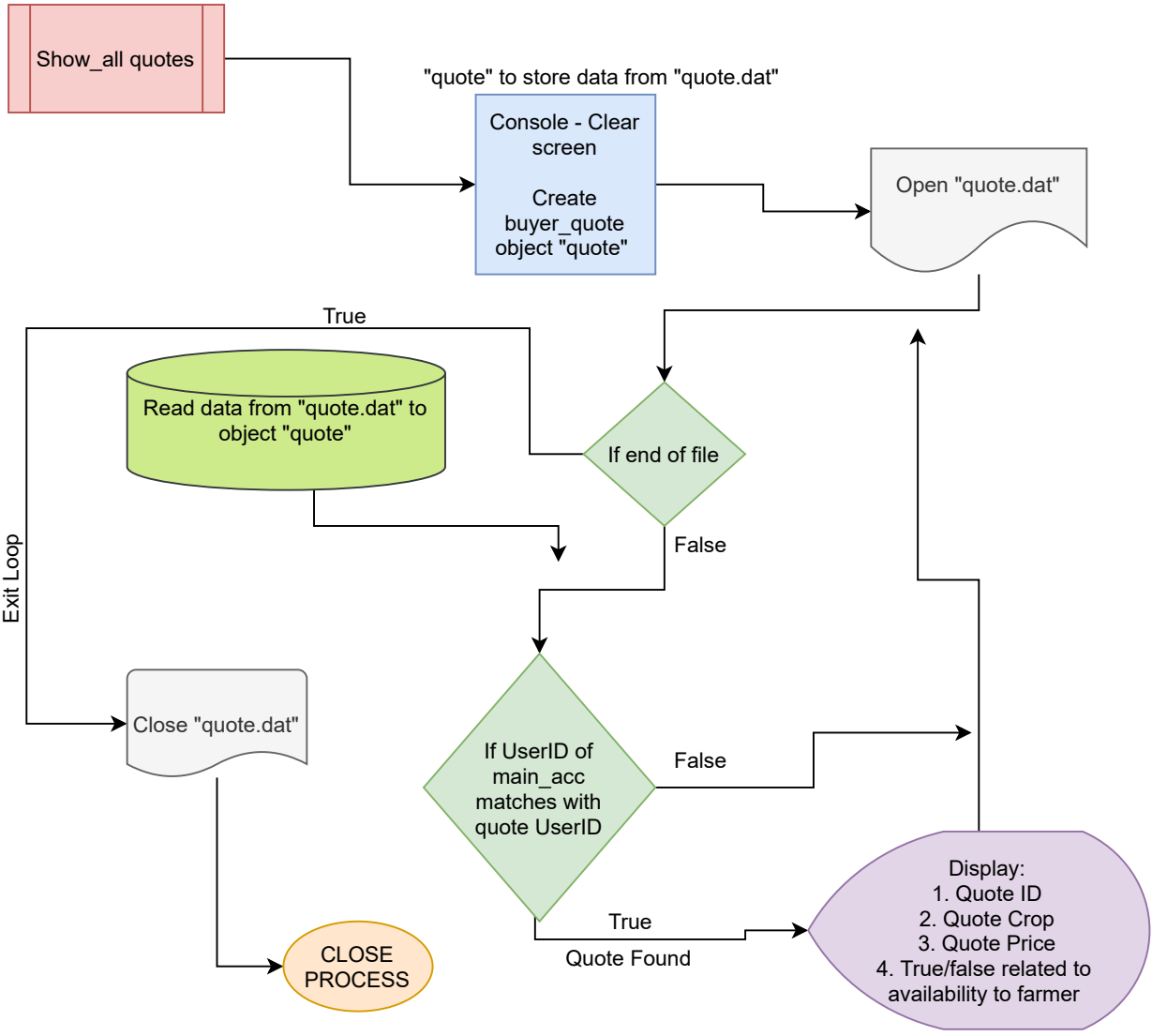
Remove_quote()

Removes quote availability for farmers (makes valid to false)



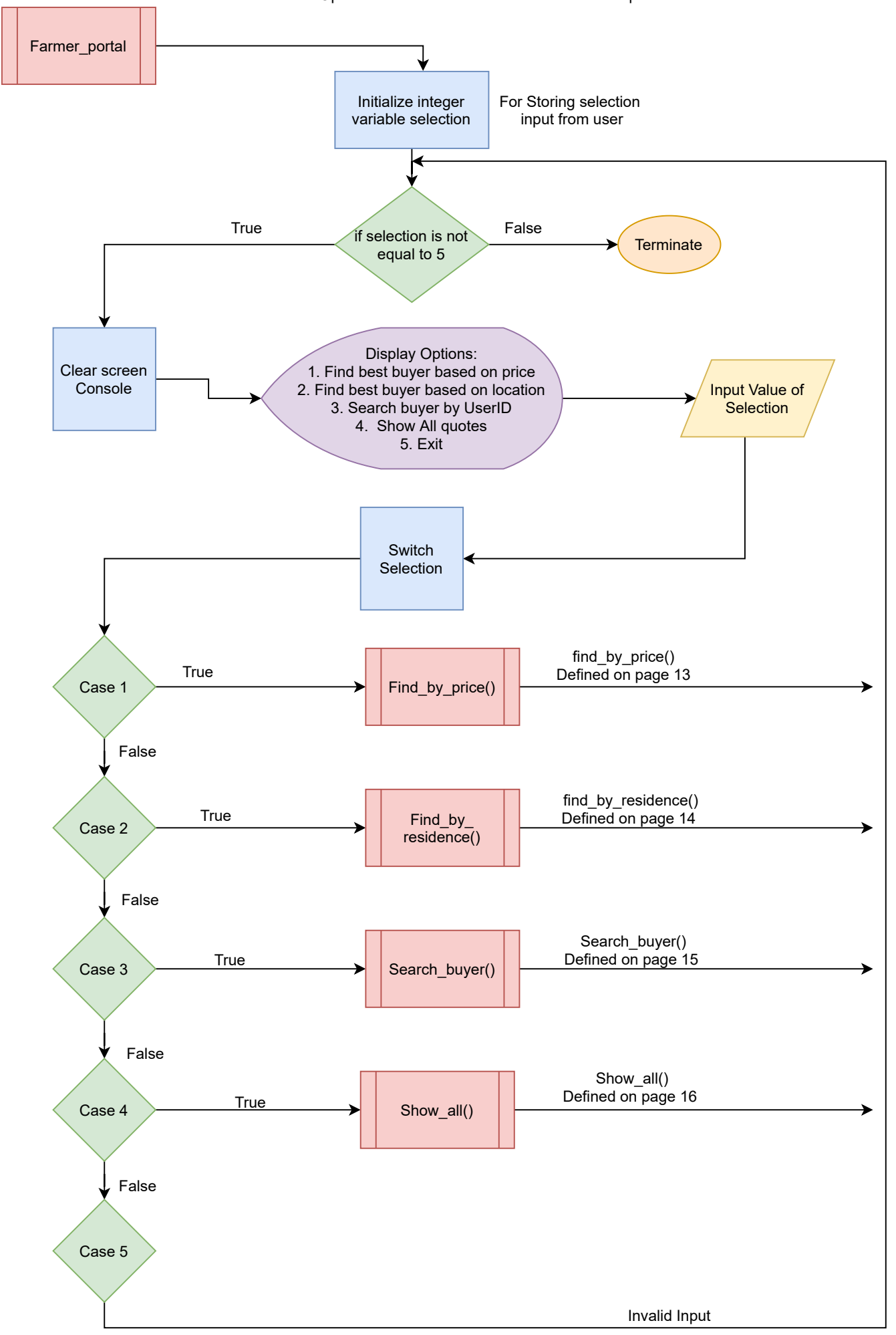
Show_all_quotes

To show all quotes of that particular account



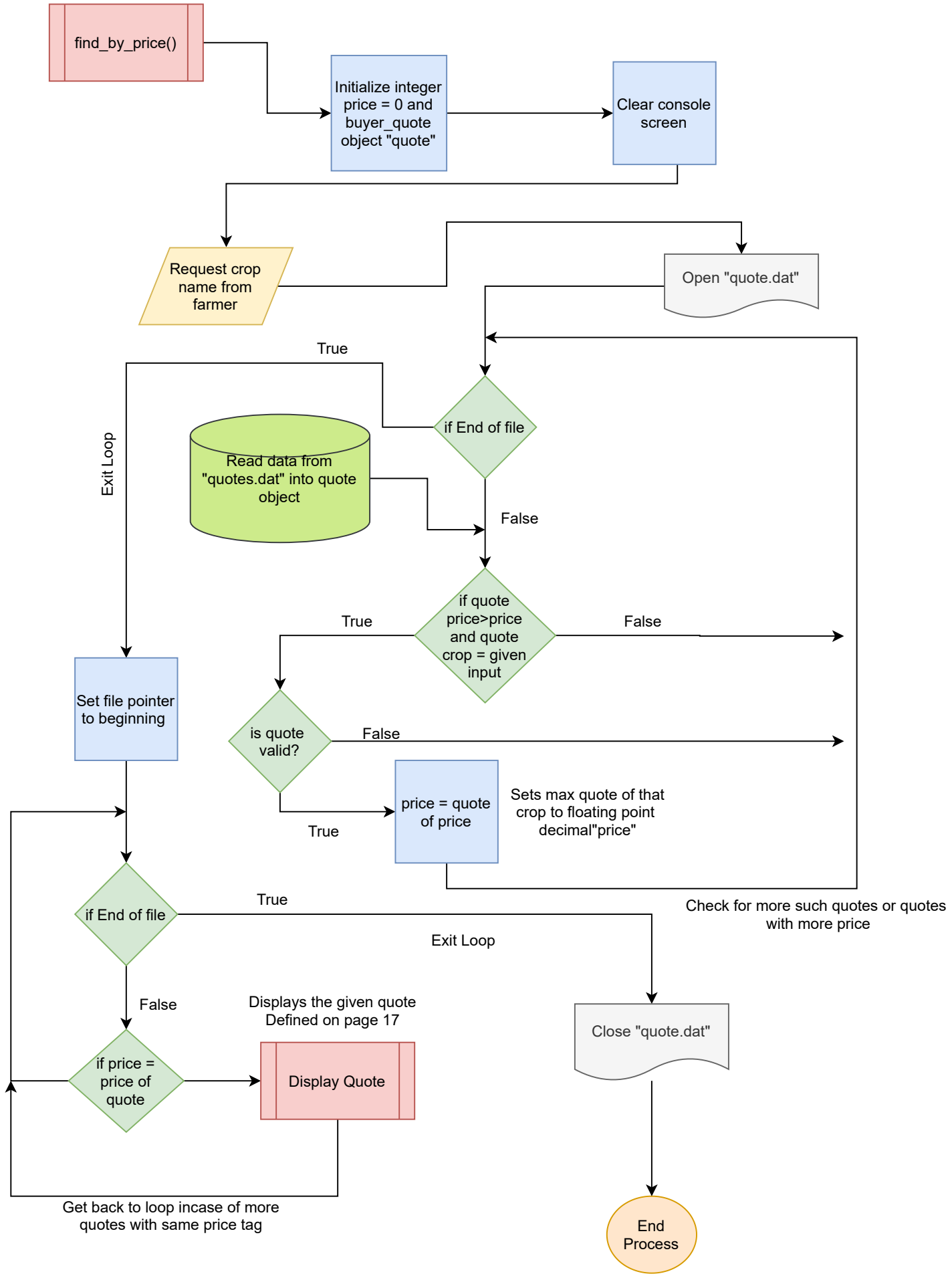
Farmer_portal()

Shows Options for Farmer to access and search for quotes



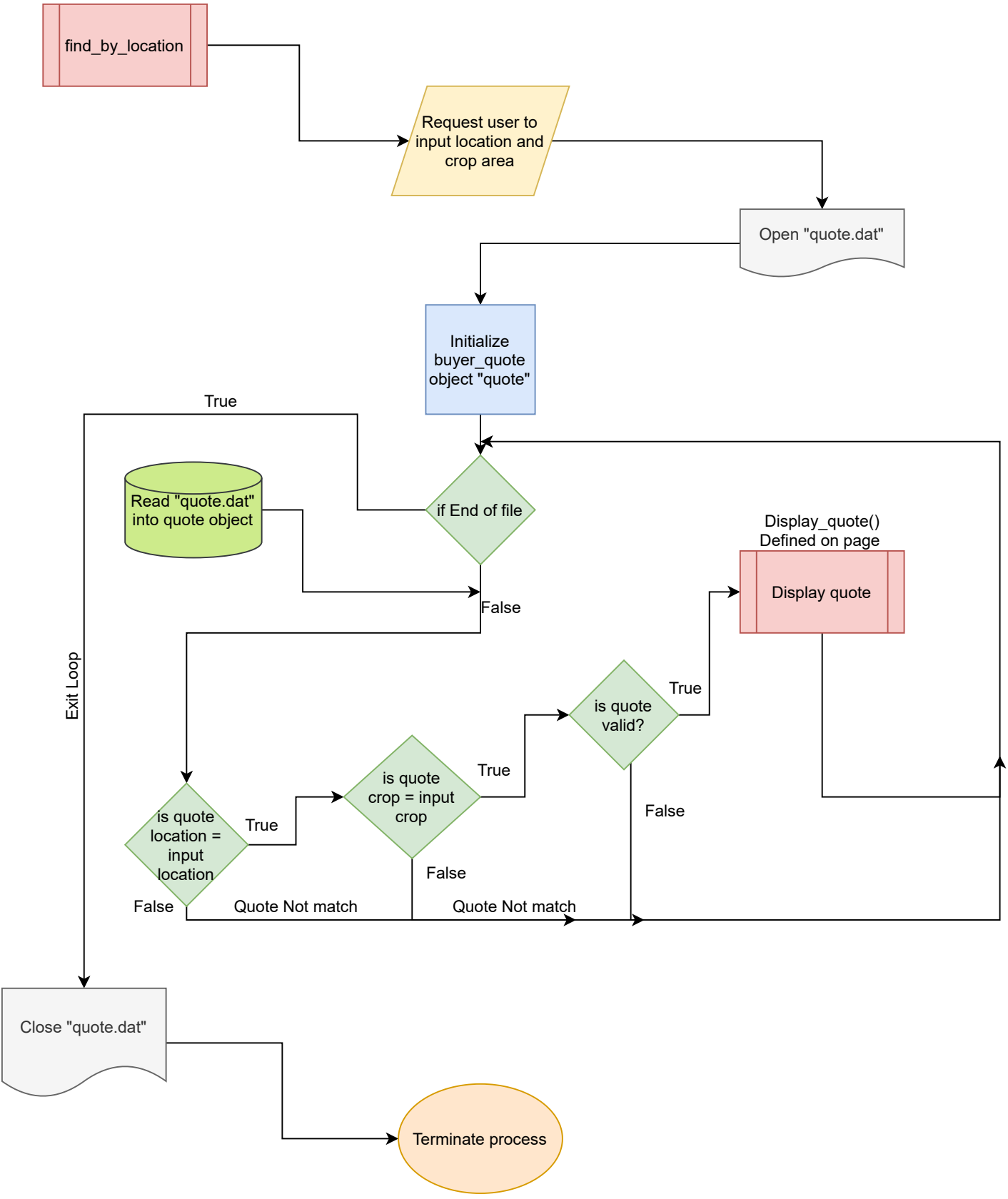
Find_by_price

Finds best quote by price for a buyer depending on a given crop



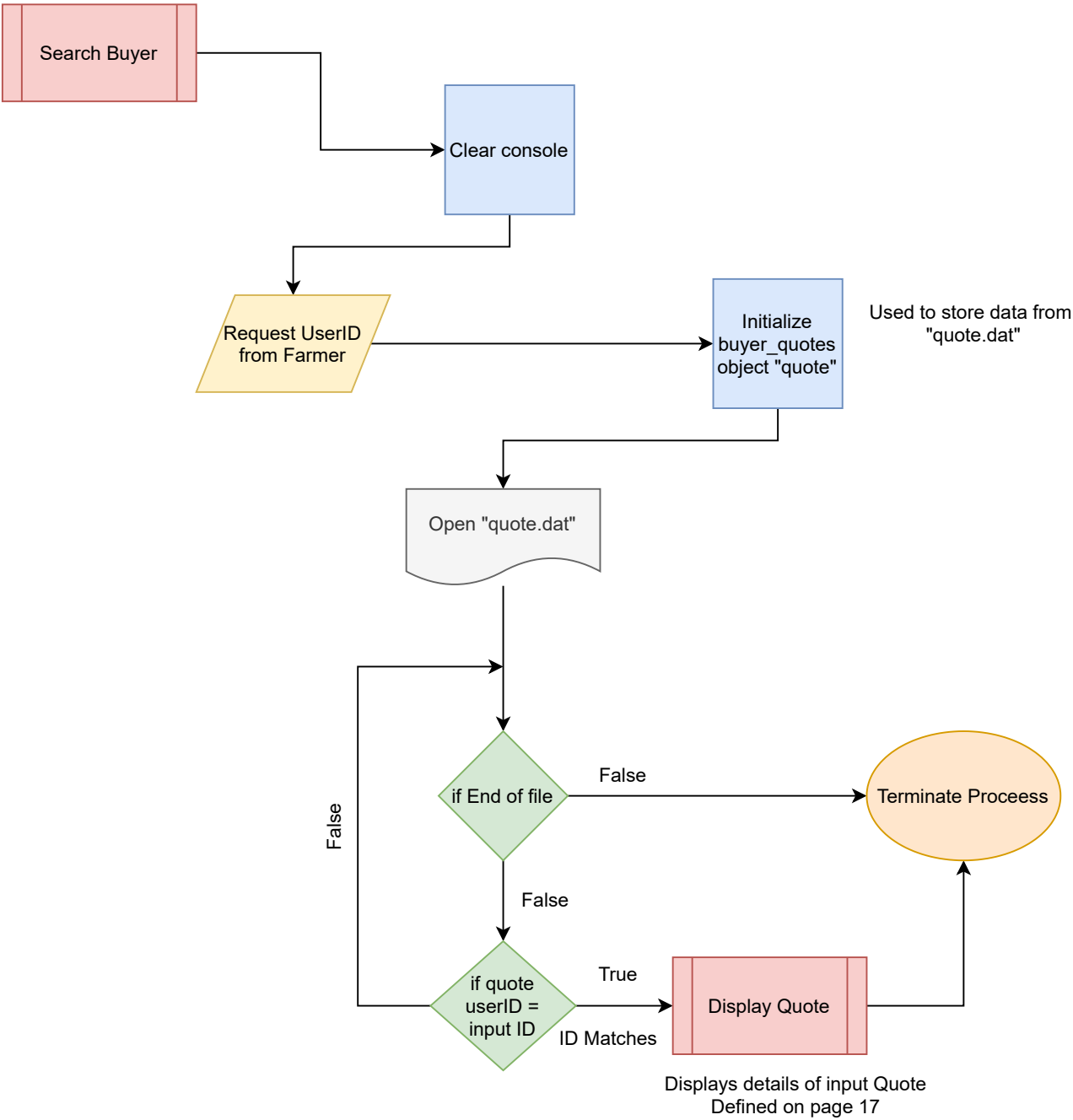
Find_by_location

Used to find best quote available by location search



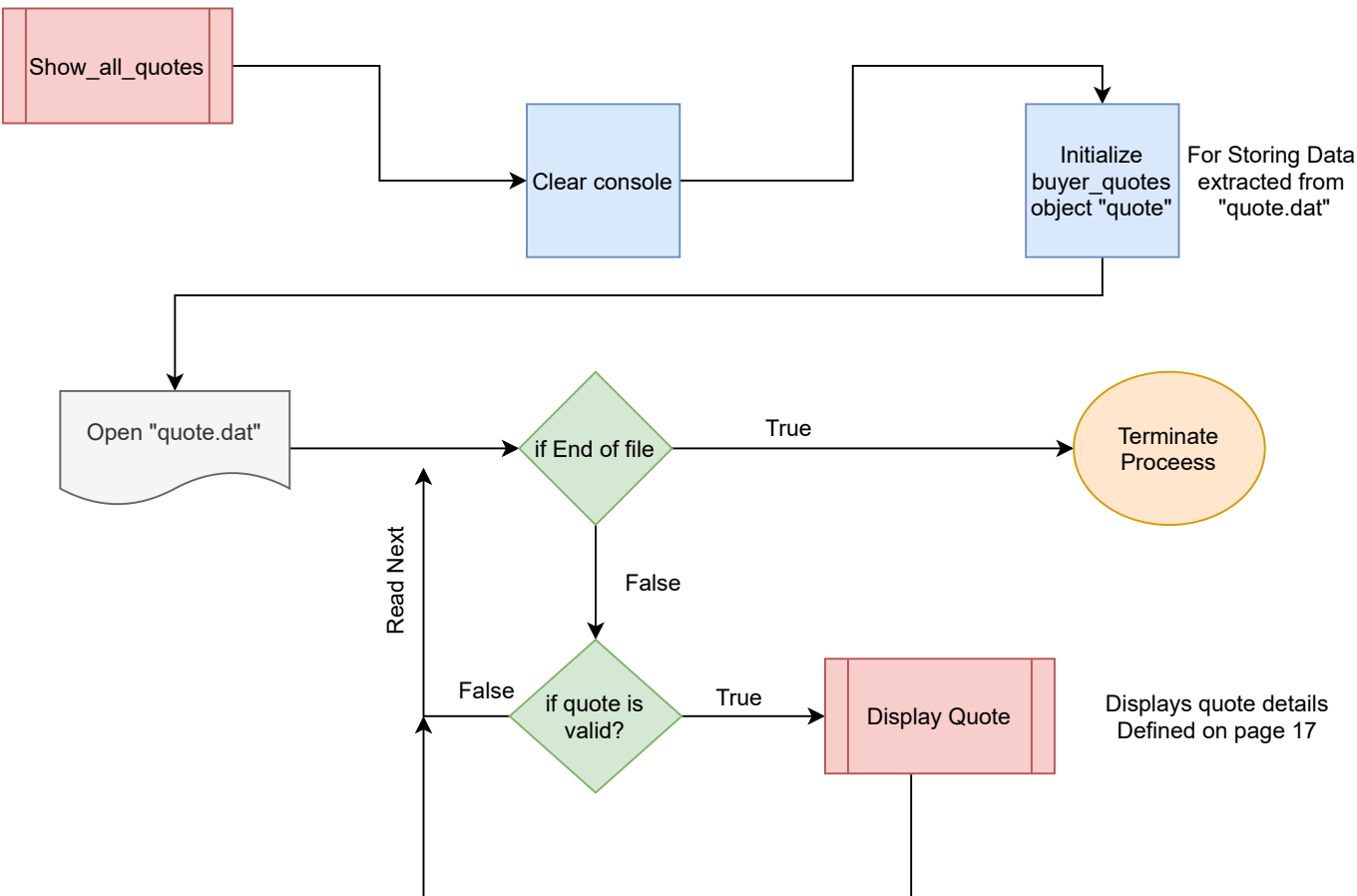
Search_by_ID

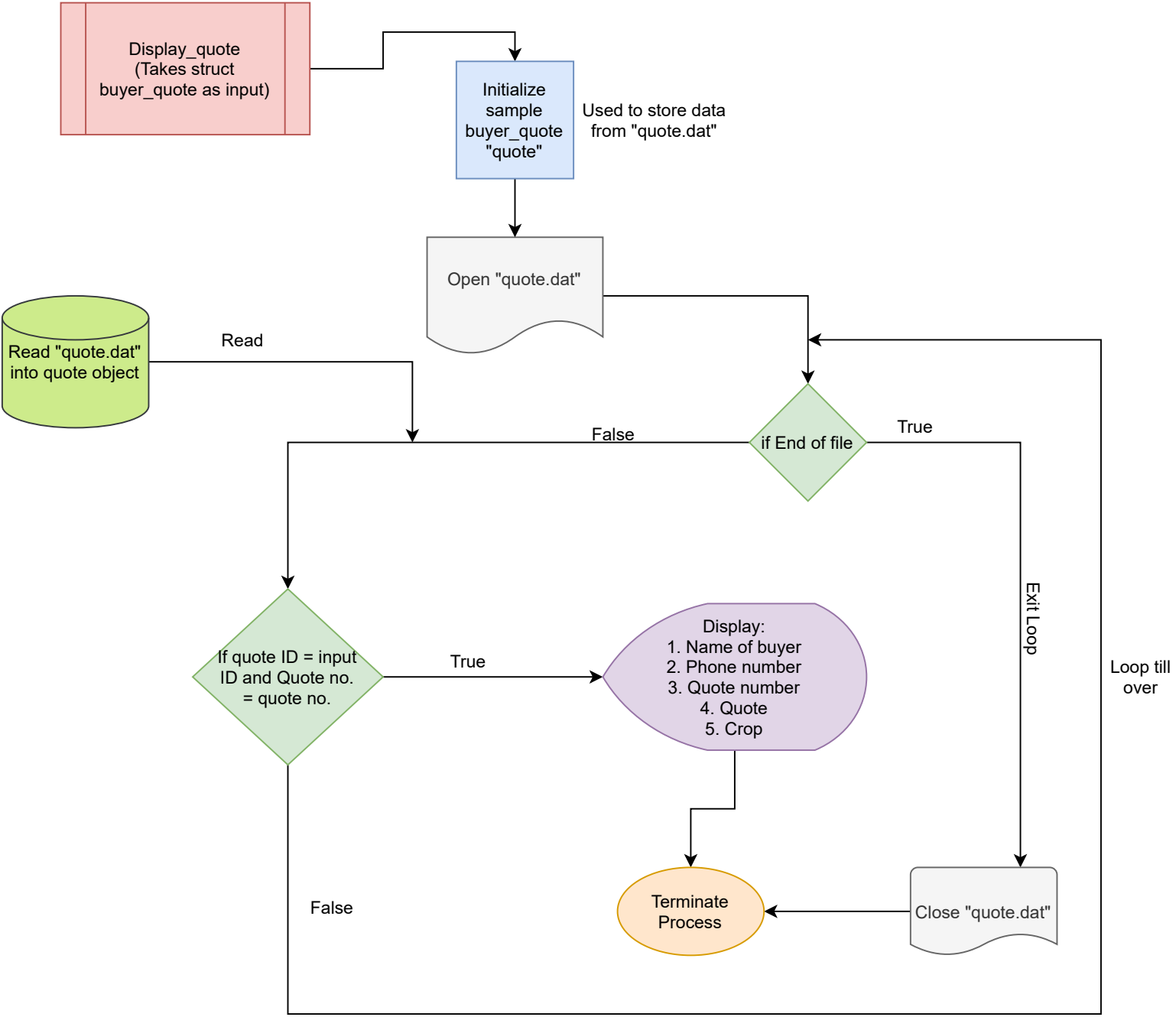
Allows farmer to search a buyer by ID



Show_all_quote

Shows all quotes that is accessible to farmers (Quote.valid is 1)



Display_quote()

Takes in structure buyer_quotes object as input and displays its corresponding details