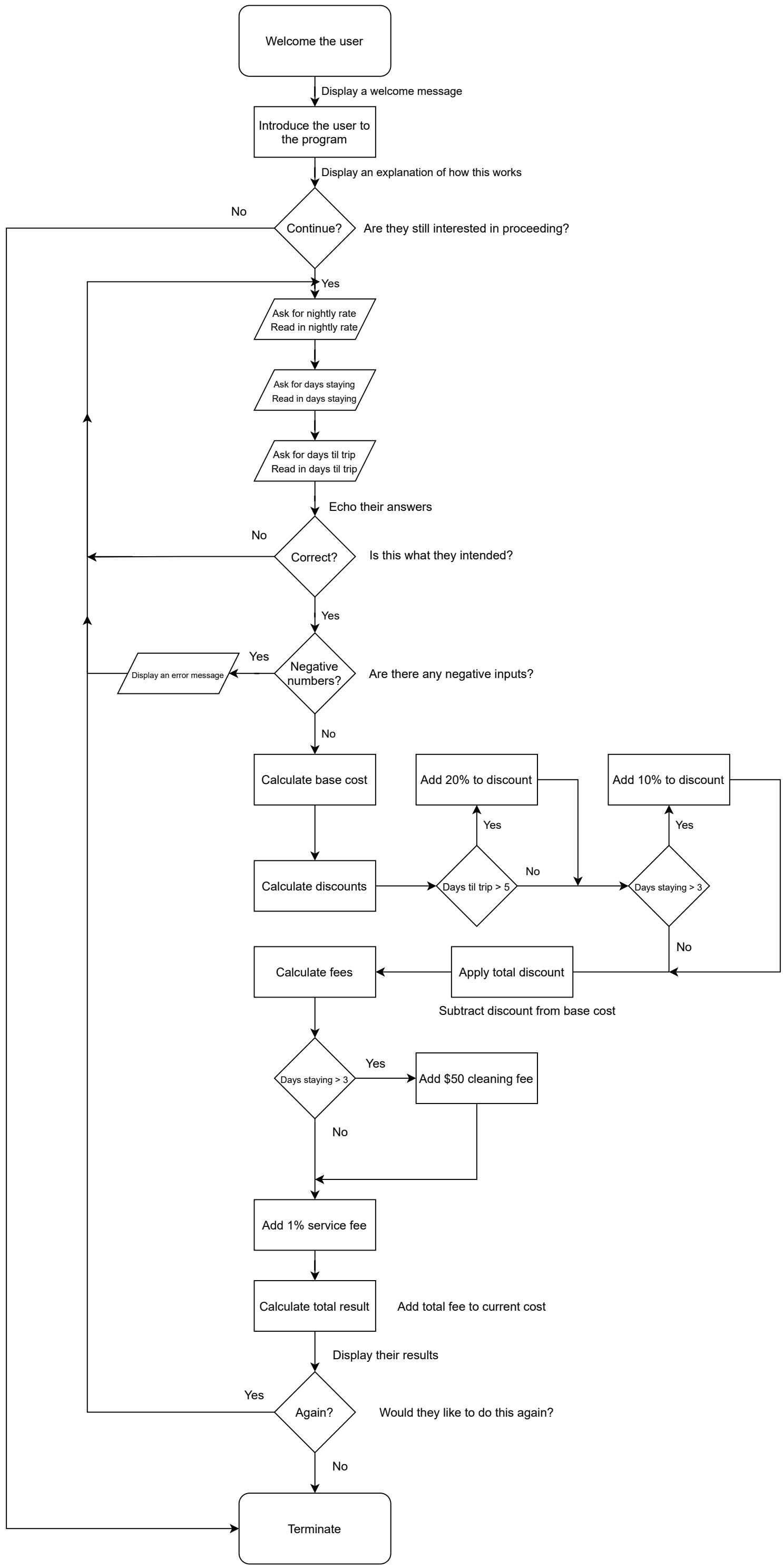
Welcome the user
Display a welcome message
Introduce the user to the program
Display an explanation of how this works
Continue?
Are they still interested in proceeding?
No
Yes
Ask for nightly rate
Read in nightly rate
Ask for days staying
Read in days staying
Ask for days til trip
Read in days til trip
Echo their answers
Correct?
Is this what they intended?
No
Yes
Negative numbers?
Are there any negative inputs?
Yes
Display an error message
No
Calculate base cost
Add 20% to discount
Add 10% to discount
Yes
Yes
Calculate discounts
Days til trip > 5
No
Days staying > 3
No
Calculate fees
Apply total discount
Subtract discount from base cost
Days staying > 3
Yes
Add $50 cleaning fee
No
Add 1% service fee
Calculate total result
Add total fee to current cost
Display their results
Again?
Would they like to do this again?
Yes
No
Terminate