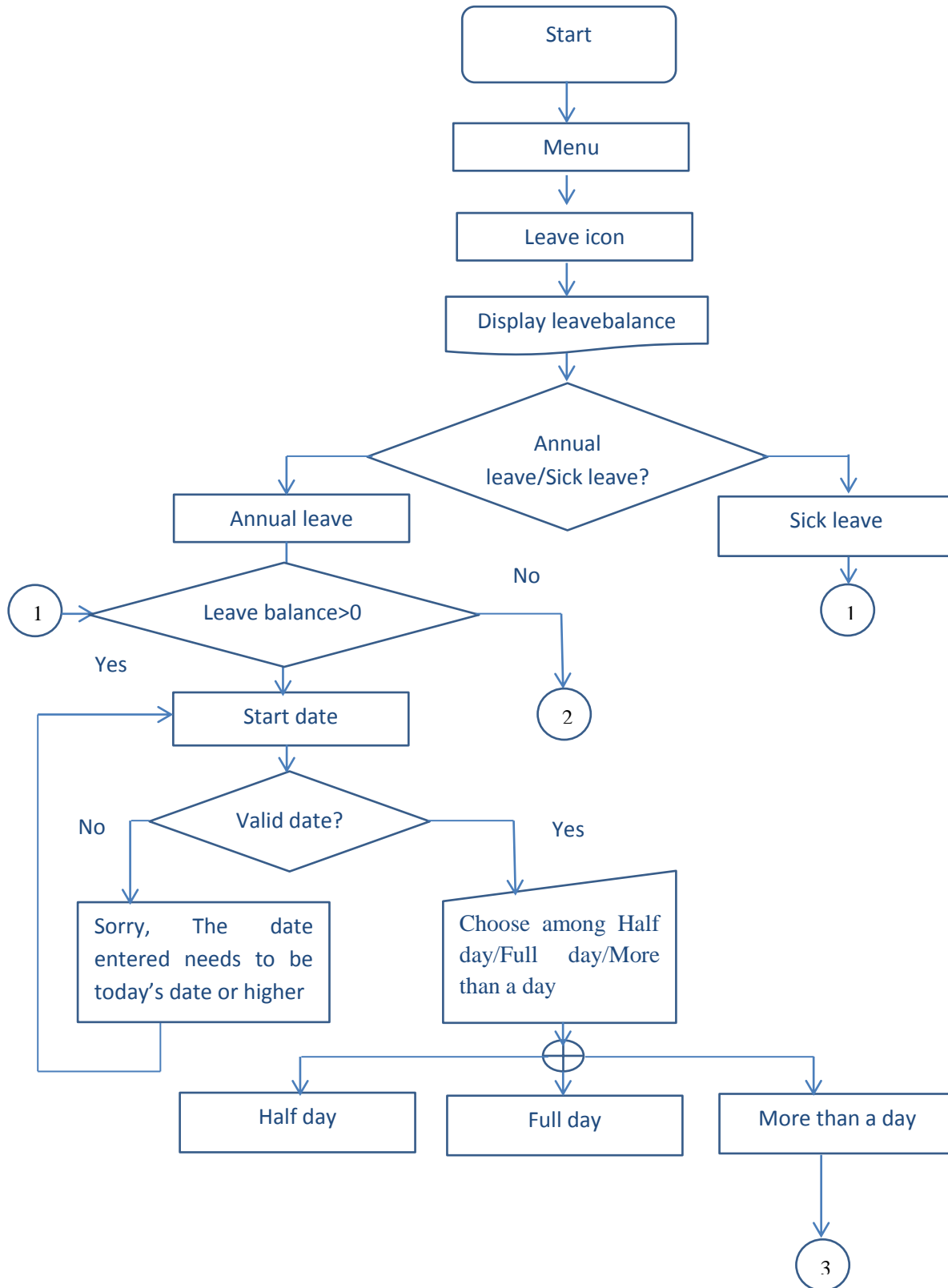
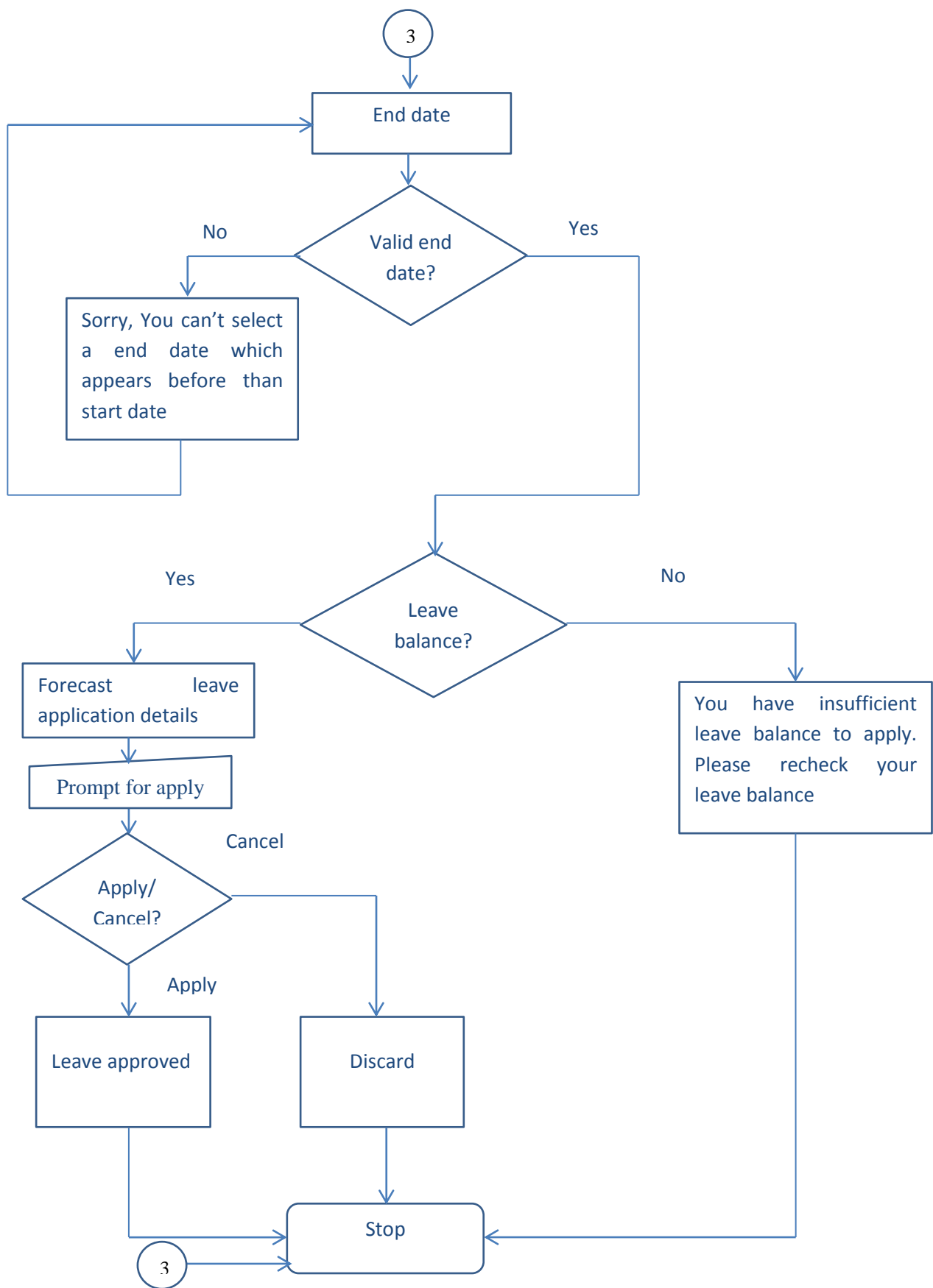


## Flow Chart

### Leave Service (More than a day)





### **Algorithm (Leave Service : Half day & Full day)**

Step 1: Start

Step 2: Go to menu

Step 3: Click on Leave icon

Go to step 4

Step 4: Display leave details

Go to step 5

Step 5: Check user wants annual leave or sick leave

If user wants annual leave go to step 6

Else go to step 6

Step 6: Check leave balance  $>0$

If yes go to step 7

Else go to step

Step 7: Choose the start date of leave

Go to step 8

Step 8: Validate the start date

If it is valid go to step 9

Else go to step 10

Step 9: Choose among Half day/Full day/More than a day

If user selects more than a day go to step 11

Step 10: Display error message as “Sorry, The date entered needs to be today’s date or higher”

Go to step 7

Step 11: Choose the end date of leave

Go to step 12

Step 12: Validate the end date

If it is valid go to step 13

Else go to step 14

Step 13: Check sufficient leave balance available or not

If leave available go to step 15

Else go to step 20

Step 14: Display the error message as “Sorry, You can’t select a end date which appears before than start date”.

Go to step 11

Step 15: Forecast Leave details

Go to step 16

Step 16: Prompt for apply/cancel

Go to step 17

Step 17: Check whether user click on apply or cancel

If user click on apply go to step 18

Else go to step 19

Step 18: Leave approved

Go to step 20

Step 19: Discarded

Go to step 20

Step 20: Stop