

Project Title
First semester 1441 - 1442

Group members

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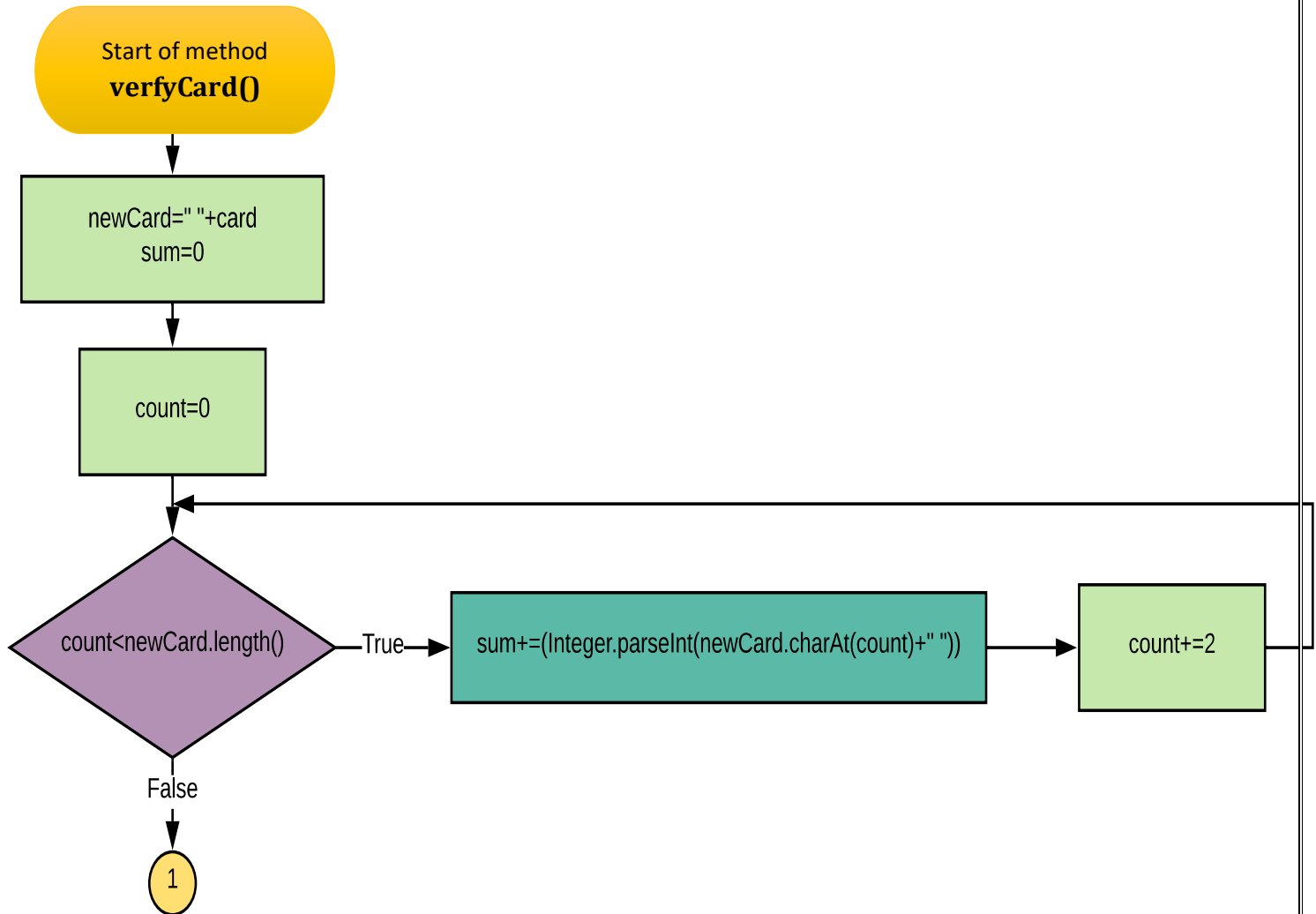
Basmah Alhumrani (438200816)

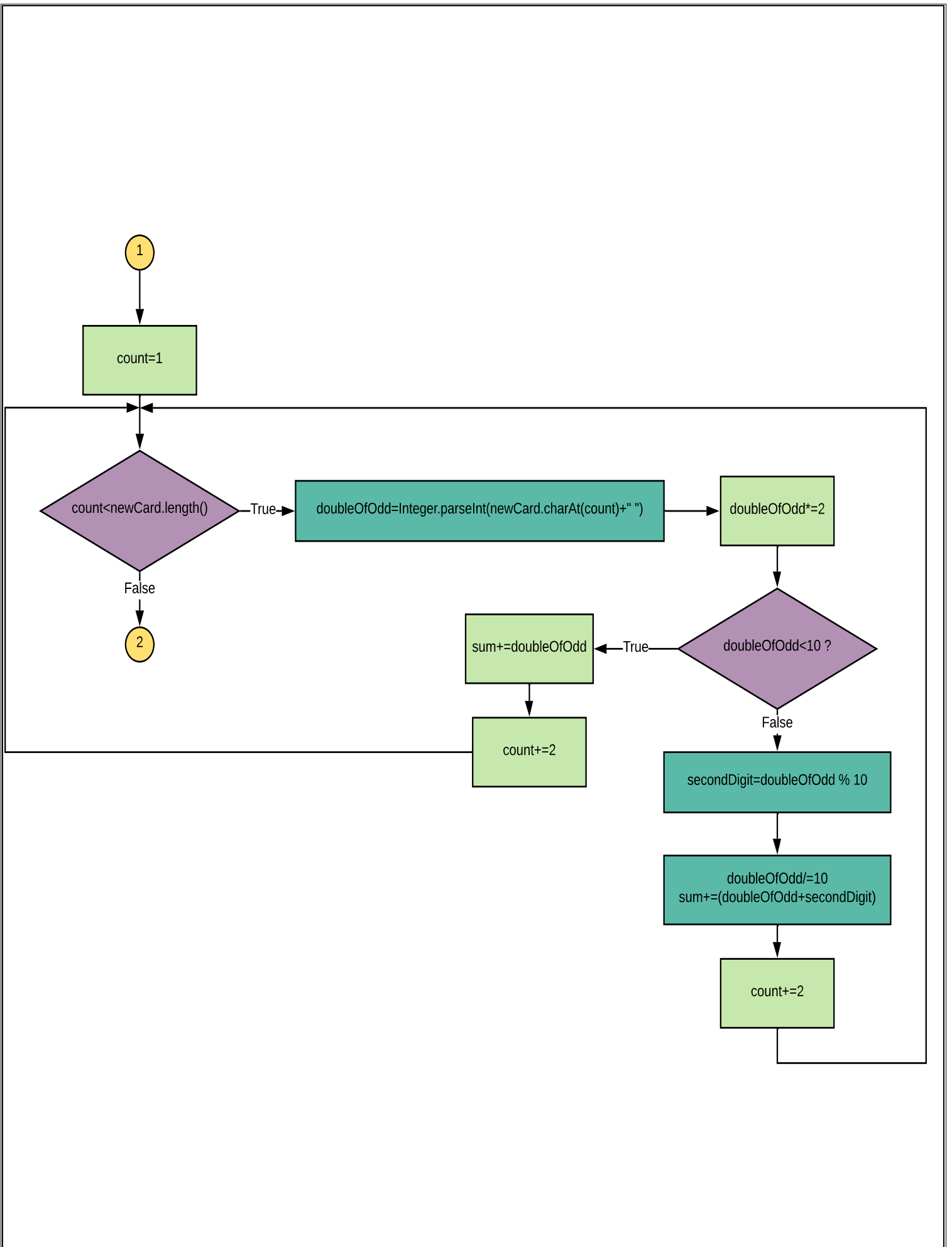
The program is a hotel reservation system, that is designed to allow the user to enter either as a guest or a clerk and based on the type of login a menu is displayed allowing the user to choose the type of services they desire. After the guest is done booking a reservation the program will check wither their credit card is valid or not and then accordingly the reservation is confirmed, the program then proceeds to let the guest know that they can display or cancel their reservation.

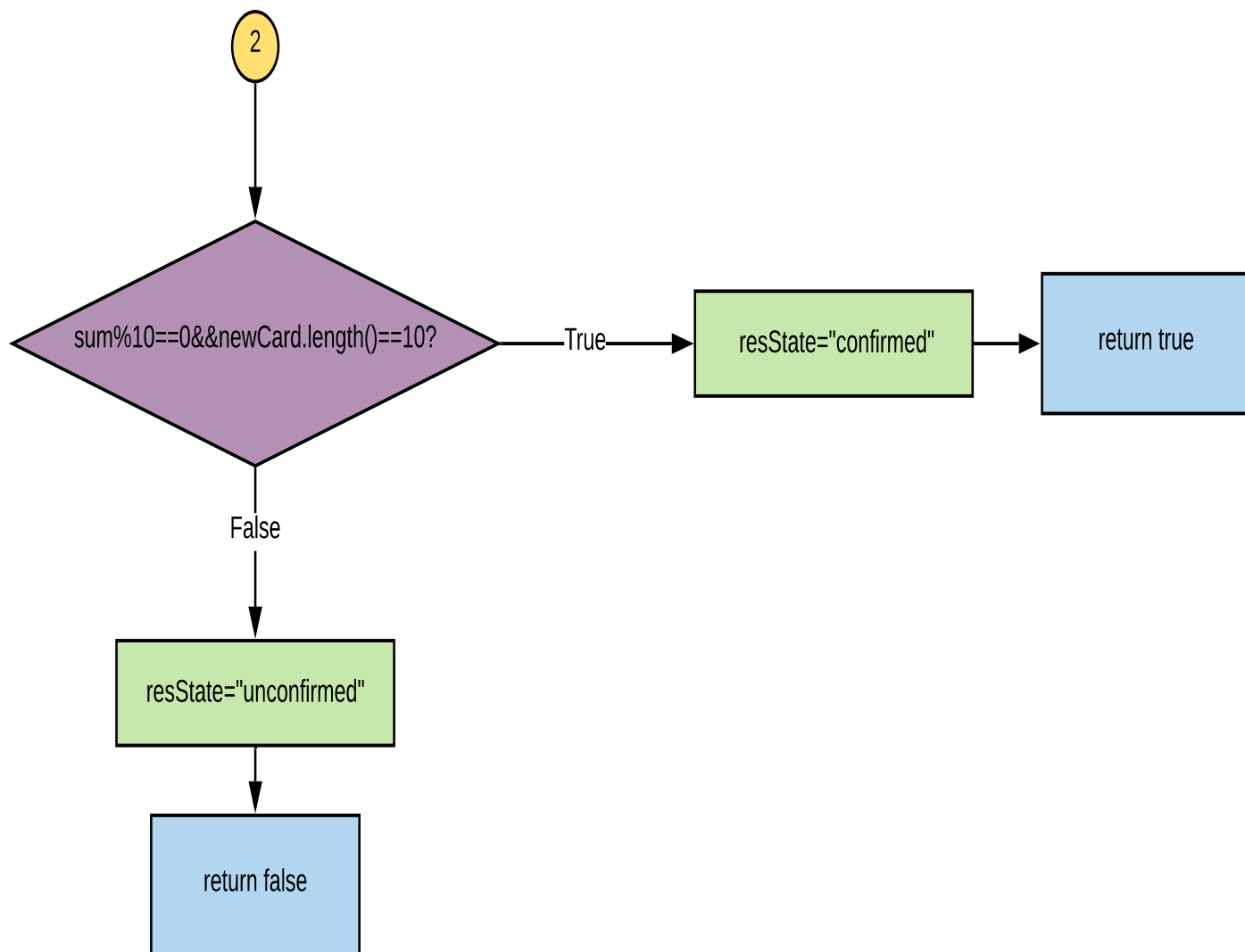
If the user is a clerk the menu include finding a reservation by using the guest reservation number, it will allow the clerk to display all confirmed reservations, modifying the reservations which will change the price automatically, the clerk can change a reservation status to cancelled, the clerk is able to know the number of reservations based on its status, and finally the clerk is able to see all due confirmed reservation for the next day. Each element in the menu has a sperate method that is backed up by other methods in the service class, all methods are grouped together in the login method which is used in the main method in the client class.

Methods flowchart :

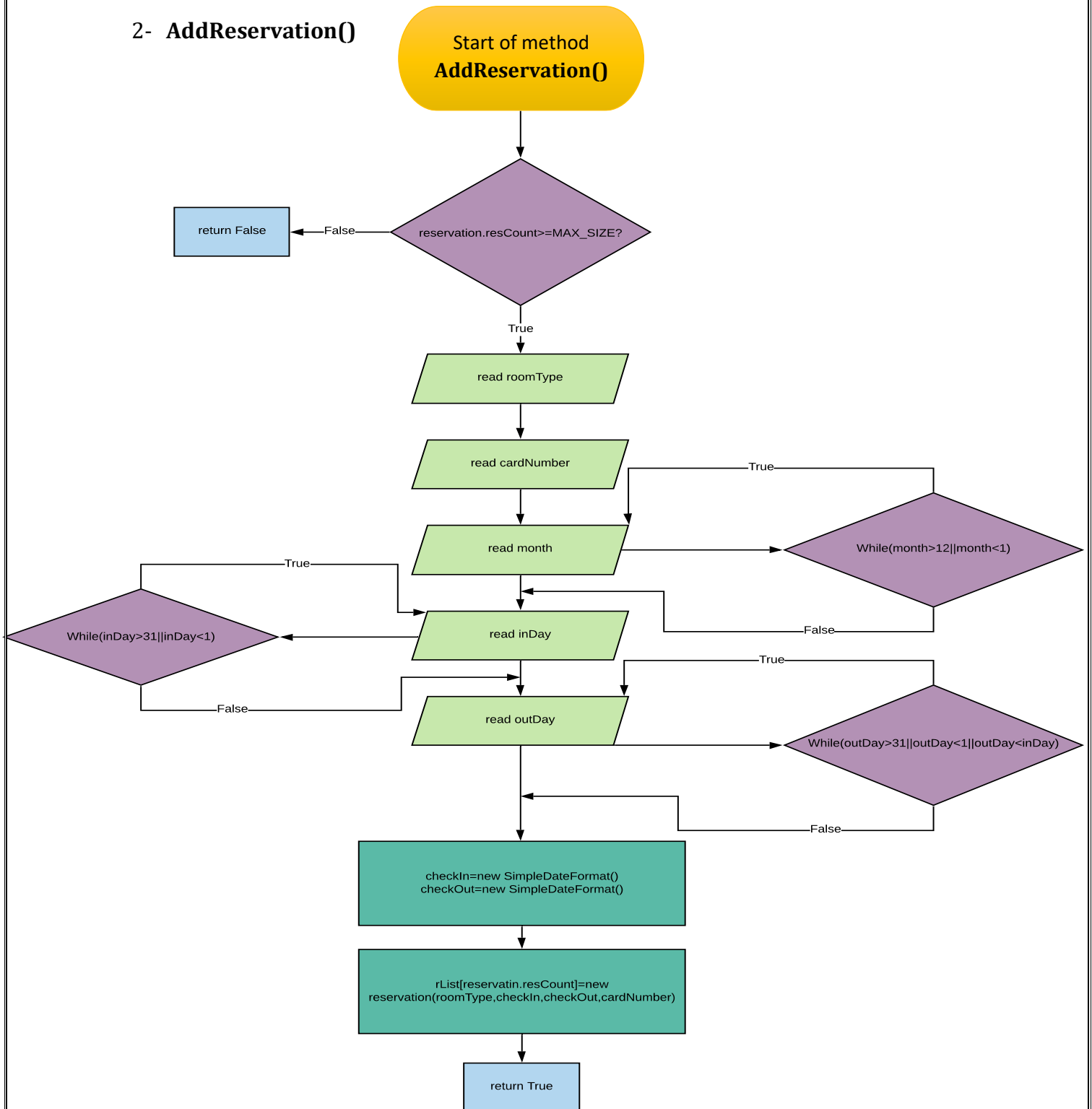
1- verifyCard ()







2- AddReservation()



Screenshot:

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Welcome to Hotel system, please select your option (guest or clerk) or END to end the program
>> guest
Guest Menu
You have the following options:
Add Reservation
Enter reservation information
Enter Room type (S for single - T for twin - F for family)
>> T
Enter Credit Card number
>> 4884596271
Enter check in month
>> 7
Enter check in day
>> 2
Enter check out day
>> 5
Reservation added succefully.. you can preform the follwing opreations on your reservation
1- Cancel reservation
2-Display reservation
3- Exit
>> 1
your reservation was cancelled succssefully
1- Cancel reservation
2-Display reservation
3- Exit
>> 2
Reservation number : 1t65J      Reservation state :canceled
Room type : T                  Check in Date : 02-07
Price: 660.00

1- Cancel reservation
2-Display reservation
3- Exit
>> 3
Exit
Welcome to Hotel system, please select your option (guest or clerk) or END to end the program
>> clerk

1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
>> 1
Enter the reservation number:
>> 1t65J
Rservation number is 10
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1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
> 2

1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
> 3
Enter the reservation number:
1t65J
No reservation found with this number

1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
> 4
Enter the reservation number:
1t65J
The room is already canceled
No reservation found with this number

1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
> 5

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Enter the status of reservation:
> canceled
Number of canceled reservations is: 1

1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
> 6
No due reservations for tomorrow

1-Find reservation
2-Display all confirmed reservations
3-Modify reservation
4-Cancel reservation
5-Count the number of reservations
6-Display all due reservations
7-Exit
> 7
Exit
Welcome to Hotel system, please select your option (guest or clerk) or END to end the program
> end

----jGRASP: operation complete.

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