# Question 2

In order to keep track of the return dates (theoretical and when the customer actually brought it back), we would have to create an “in-between” object that would take care of this. For example, a “Reservation” class would have a pointer to a Car, Customer and two pointers to dates. This would allow the system to know when the car is theoretically due and when the user brought it back (for the records). We would also need a new Vector<> in the CarRentalSystem object. Thus, each day a function would be called that would iterate through the vector and alert the customers that the car is due within the next days. This would be done by passing the current date to the function and comparing these two dates would return whether it is late or not. Also, it would allow the program to keep track of the fine that the customer would need to pay. For example, if a customer is known to be late when returning his car, there could be an alert for the user of the program and ask for a security deposit.