Gebze Technical University Computer Engineering

CSE 222 - 2018 Spring

HOMEWORK 1 REPORT

FERHAT ŞİRİN 161044080

Course Assistant:

1 INTRODUCTION

1.1 Problem Definition

Hotel management is a problem for the hotel that has lots of guests. Hotel Management System helps receptionist to control check in and check out more easily and even guest can make their own reservation without receptionist.

1.2 System Requirements

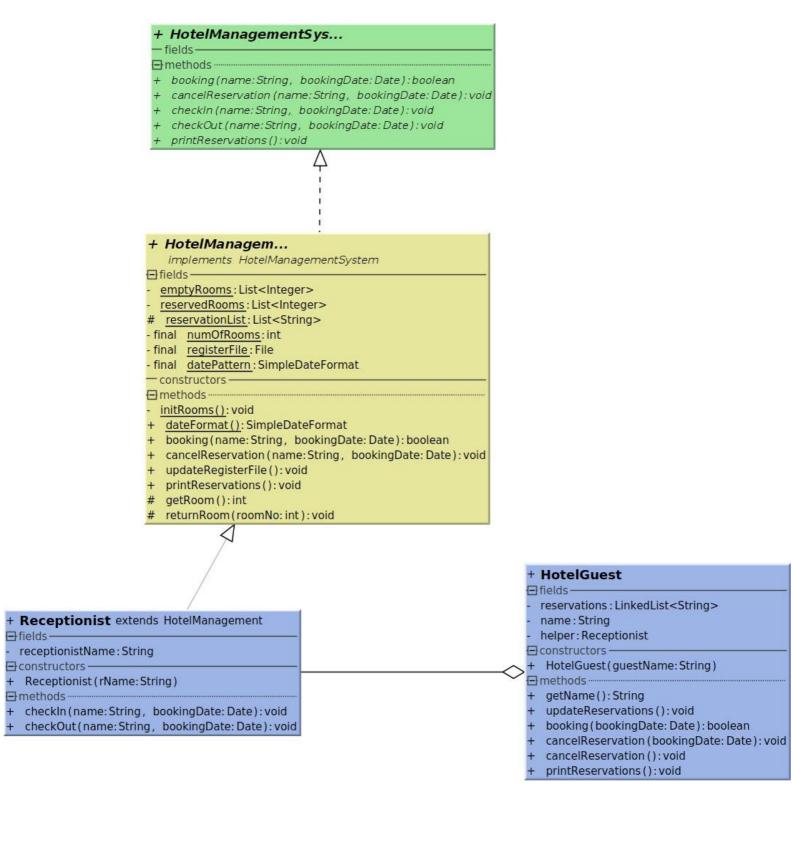
```
boolean booking(String name, Date bookingDate);
void cancelReservation(String name, Date bookingDate);
void checkIn(String name, Date bookingDate);
void checkOut(String name, Date bookingDate);
```

These method's Date parameter should be used with HotelManagement.dateFormat() public static method. This method returns a SimpleDateFormat object. With this object user can use Date parse(String) or String format(Date) to give the methods their booking date. Pattern should be dd.MM.yyyy HH:mm

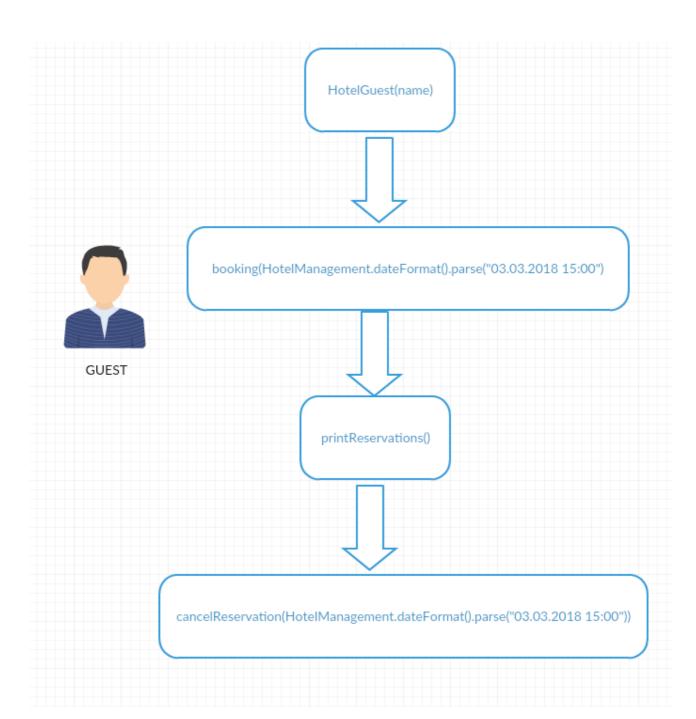
HotelGuest classs's public void cancelReservation() method take input from user. Ask user which reservation he wants to cancel.

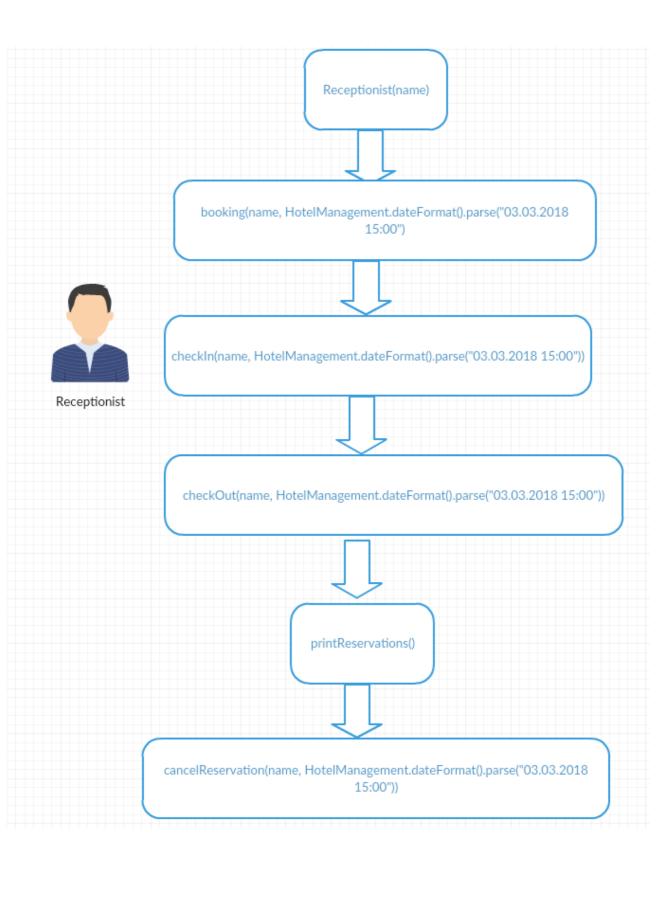
2 METHOD

2.1 Class Diagrams



2.2 UseUse Case Diagrams





2.3 Problem Solution Approach

Receptionist can transfer reservation data into the program and control check in and check out via program.

Hotel Management System keeps data in a file so that even if program shuts down. When receptionist opens the program again. It will reload all reservation data to the system again.

Guest itself can make their own reservation without a receptionist.

3 RESULT

3.1 Test Cases

All test case is written to these classes.

HotelManagementTest

ReceptionistTest

HotelGuestTest

3.2 Running Results

