

LAB ASSIGNMENT 8

I - Subject : Client contains the following methods :

- book(Booking b) - this method allow the user to book
- cancel(Booking b) - this method allow the user to cancel a booking
- change(Booking b) - this method allow the user to change the dates of a booking and cancel the previous booking if the new booking dates are available
- getClientR() - this method returns all the information regarding a client's booking

II - Observer : Booking contains the following methods :

- availability() - gives the availability of a booking

Concrete Booking class 1 : Bungalow which contains the following methods :

- book(Client c) - checks availability and books a bungalow for the client or add the client to the waitlist
- cancel(Client c) - cancel a previous booking and updates availability
- notify() - notifies clients on the wait list
- addAC(int nbNights, Client c) - adds extra fee for the AC for the given nights to a client's booking

Concrete Booking class 2 : Cottage which contains the following methods :

- book(Client c) - checks availability and books a bungalow for the client or add the client to the waitlist
- cancel(Client c) - cancel a previous booking and updates availability
- notify() - notifies clients on the wait list
- addCable(int nbNights, Client c) - adds extra fee for the Cable TV for the given nights to a client's booking

