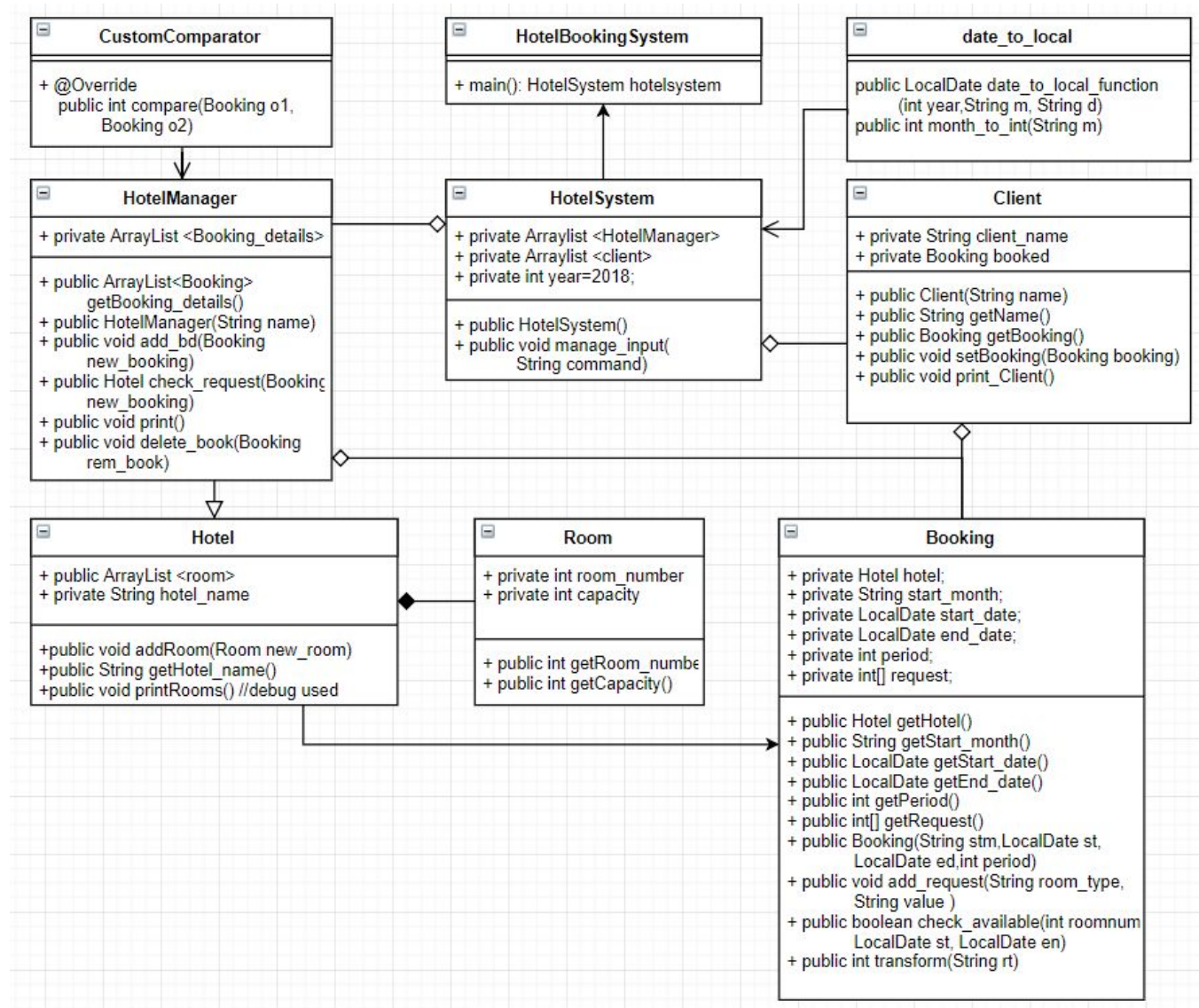


## Report of ASSIGNMENT ONE

### UML



Explanation for each class:

**Room:** that is just normal class with room\_number and capacity

**Hotel:** has a composition of Room, and hotel\_name nothing special.

**Booking:** Booking means each independent booking, which inside contains hotel and booking period details, the hotel inside contains **ONLY** the room booked by the certain book. Why I do that? It is because with each booking I can easily know the hotel name and the room booked by the client.

**Client:** contains the name and his/her booking details.

**HotelManager:** HotelManger is inheritance from hotel. It represent the manager of each hotel. Thus, each hotel has its own manager. And Manager knows all the booking details which **ONLY** contains the **CURRENT HOTEL**.

**HotelSystem:** Hotel System is the system that contains all the HotelManager details and all the Client Details. It main use is to done Booking, Change, Cancel, Print and other Main function.

**HotelBookingSystem:** HotelBookingSystem only contains the main function and its job is to read the file from argv.

**CustomeComparator:** It is used by HotelManager to sort the date of the booking details.

**Date\_to\_local:** It is used by HotelBookingSystem to convert the input string into LocalDate.

Flow diagram to represented how do my system run with a "Booking" command:

