

Software Engineering Project

Hotel Revolution 2014s

Team Members:

Sara Zanzottera, Gianpaolo Branca, Simone Mosciatti and Giovanni Pelosi

Project's Scope

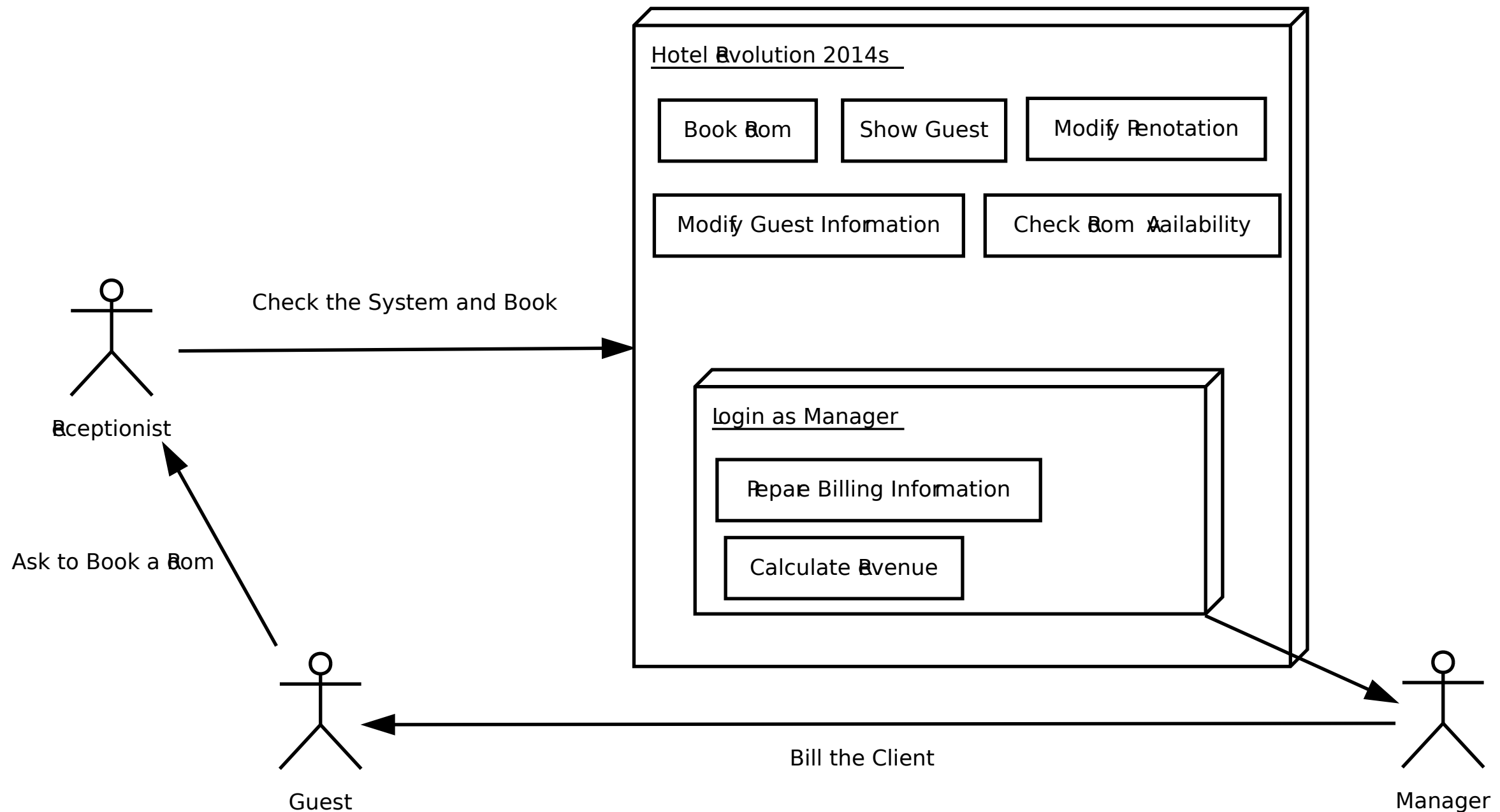
The software aim to help the staff to manage the rooms of the structure. It will help to identify free rooms in a particular period of time thus helping to understand if it is possible to satisfy clients' requests.

Also it will keep count of how many days a particular client has been host of the structure helping the manager to bill accordingly

Requirements (and Main Functions)

- Will allow the reception to be quick and extremely precise in answering any inquiry from possible guests.
- Will let fast booking operation by the hotel staff
- Will show all the possible options available for a guest and Will let the staff know which rooms will be free sooner
- Will let the staff know who is guesting in a particular room and how long a guest has been in the hotel
- Will provide two level of authentication, one from the staff and one from the manager, the manager will be able to access all the information while some sensitive information (revenue) won't be show to the staff.

Use-CASE Model Diagram - System



The Use-Case shows which are the main purpose of the System and how the staff interact with it.

The Actors are:

- Receptionist
- Guests
- Manager

Only the receptionist and the manager can interact directly with the System, so they are the link between Guests and System.

Guest

- A person or a group of people who want to book one or more rooms
- He interacts with the System only through the Receptionist and/or the Manager
- Can :
 - A. book/modify/delete a reservation through the receptionist
 - B. ask the bill to the manager

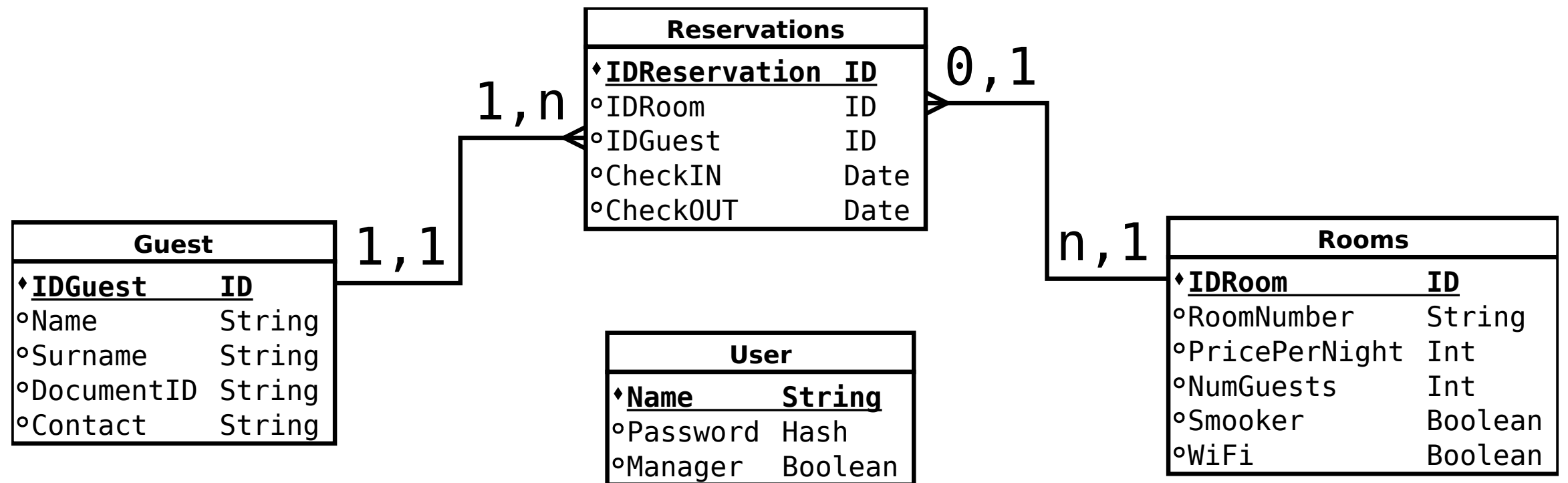
Receptionist

- The main User of the System; It is the link between the User and the System.
- Can :
 - A. add/modify/delete a reservation
 - B. check rooms availability and the features of every room
 - C. show/add/modify/delete guest informations

Manager

- The only person who can access to the entire System, in particular to the sensitive information (revenue)
- Can :
 - A. prepare the bill informations for the guest
 - B. calculate the partial/total revenue
 - C. have a look on the hotel's general situation

Data Model



- There are 4 entities :
 - A. guest
 - B. reservations
 - C. rooms
 - D. user
- guest, reservations and rooms are connected while user is a separated entity.

Conclusion

we have tried to design a System as simple as possible, because in this way it will be easy to use, quick, and easy to expand

Next Presentation will Include

- The detailed process modeling
- The system context data flow diagram
- The detailed data modeling
- And a lot more

See you on October 23