



American International University-Bangladesh (AIUB)

Department of Computer Science and Engineering

Faculty of Science & Technology (FST)

Fall-21

CSC 00191- Object Oriented Analysis And Design (OOAD)

Section: B

Project Title: Hotel Booking Management System

Submitted by: Group 4

<u>Name</u>	<u>ID</u>
Mihir Kanti Roy	20-43785-2

Submitted to:

MD. ANWARUL KABIR

Associate Professor

1. Project Title: Hotel Booking Management System

2. Project Overview:

The project, Hotel Management System is a web-based application that allows the hotel manager to handle all hotel activities online. Hotel management project provides room booking, staff management and other necessary hotel management features. The system allows the manager to post available rooms in the system. The main purpose of hotel management is to ensure a constant influx of visitors and guests to the hotel throughout the year, showcase the wide variety of services and USPs and how it benefits the visiting guests through marketing initiatives. Hotel management system now-a-days have the advantage of modernization. Computer has done the work more easily. Computer is playing an important role in management. Reports are made on a daily basis for every customer check in or check out which can easily be seen by the management.

3. Justification:

Online hotel booking systems are not only beneficial for users but also for business holders. The explanations are given below:

For users:

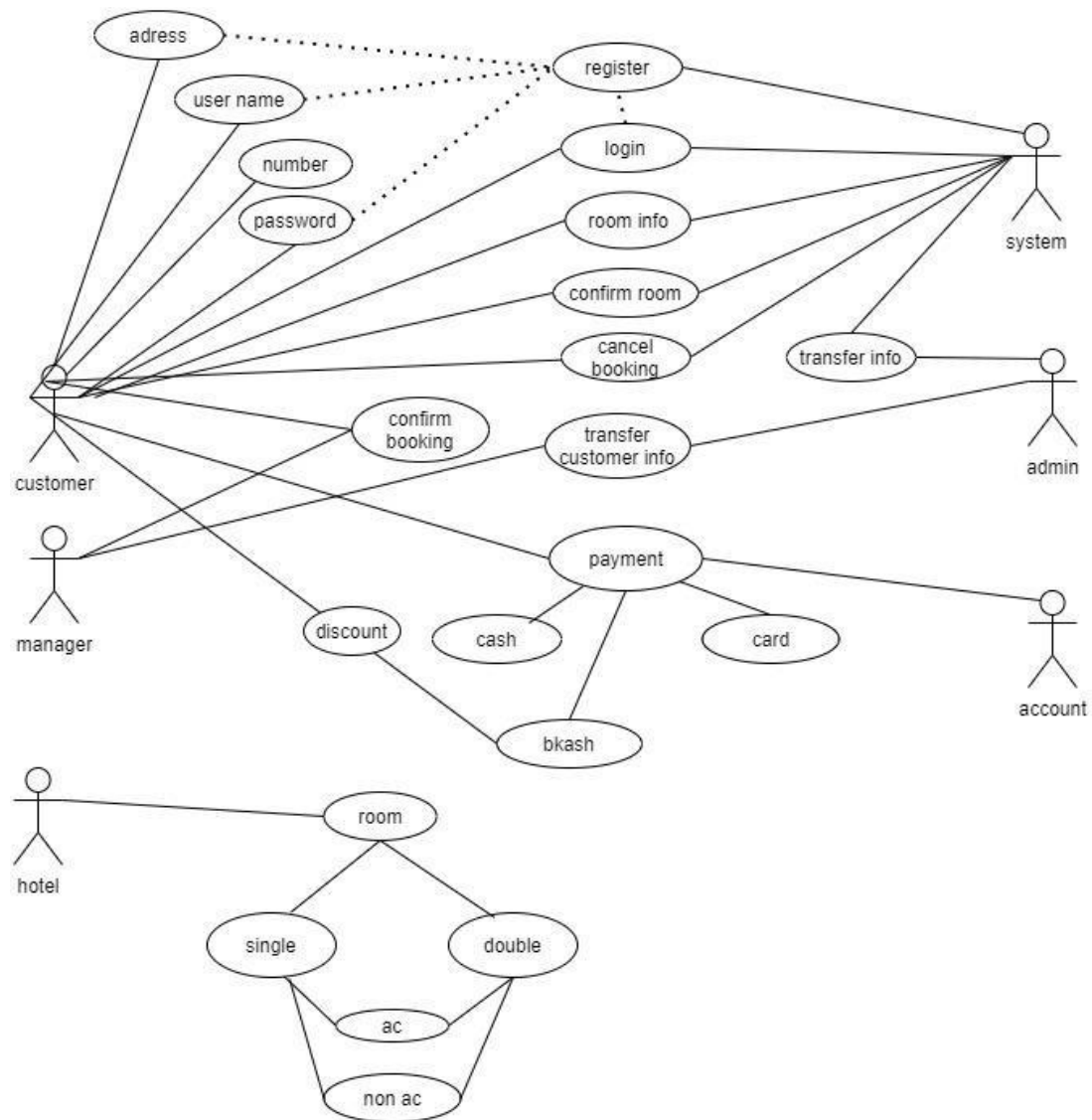
1. **room options:** every room will be available along with all facilities in this app. Users will be able to explore pictures of the rooms and book the preferable one. This app will give a scenario of availability of room. So, the user will be able to choose which room he/ she can book.
2. **Changes and cancellation:** Users can make changes or cancel their booking.
3. **Details about hotel location:** This app not only provides details concerning the hotel but also a summary of the information about the region.
4. **Discounts deals:** By paying bills through bKash, users can get some discount also.
5. **Time:** From this app, users can book hotels anytime of the day or night from anywhere. This offers a fast booking process. For repeat customers, they don't need to register again. Most importantly, they will not have to go to a hotel and wait for a booking.

For business:

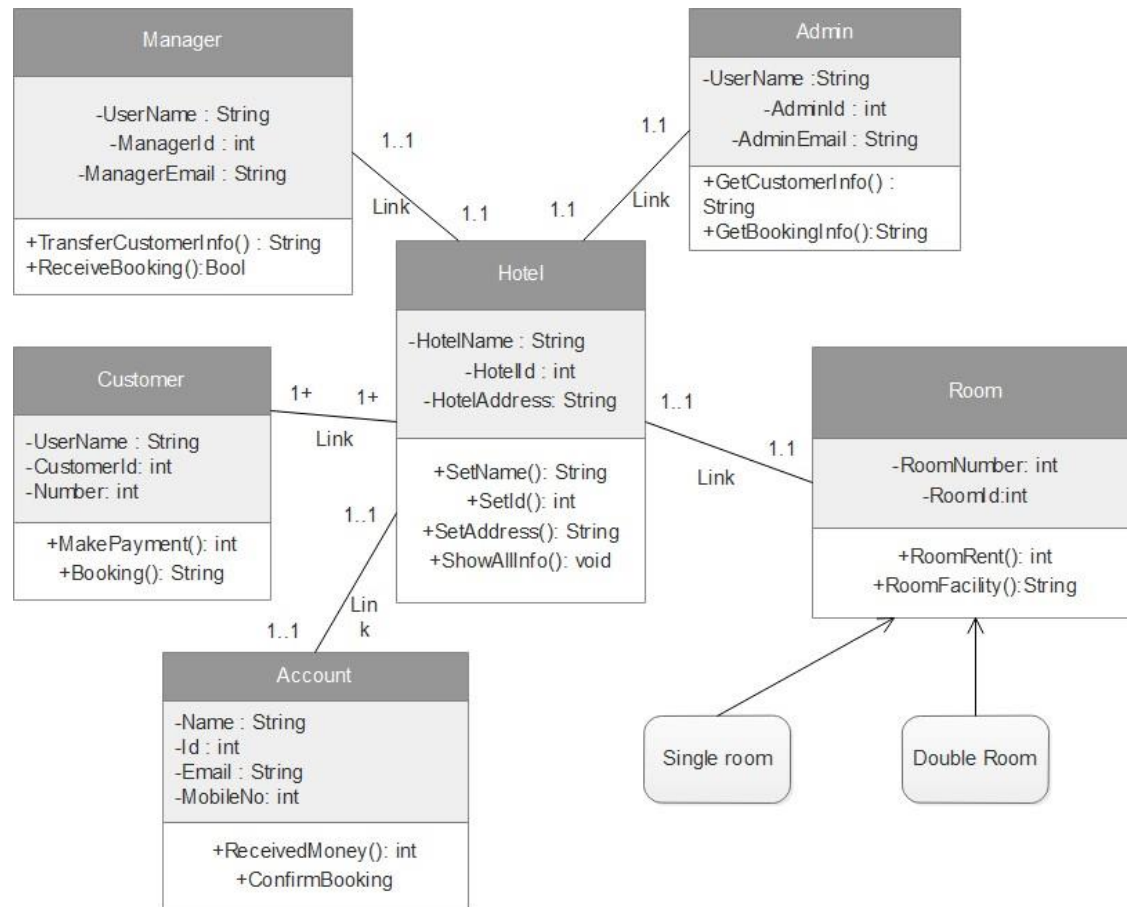
1. **stuff:** Normally, they need extra stuff for dealing with customers. But through the online booking system, there is no need for extra stuff.

2. booking facilities: Through the online booking system, users can book rooms at any time.

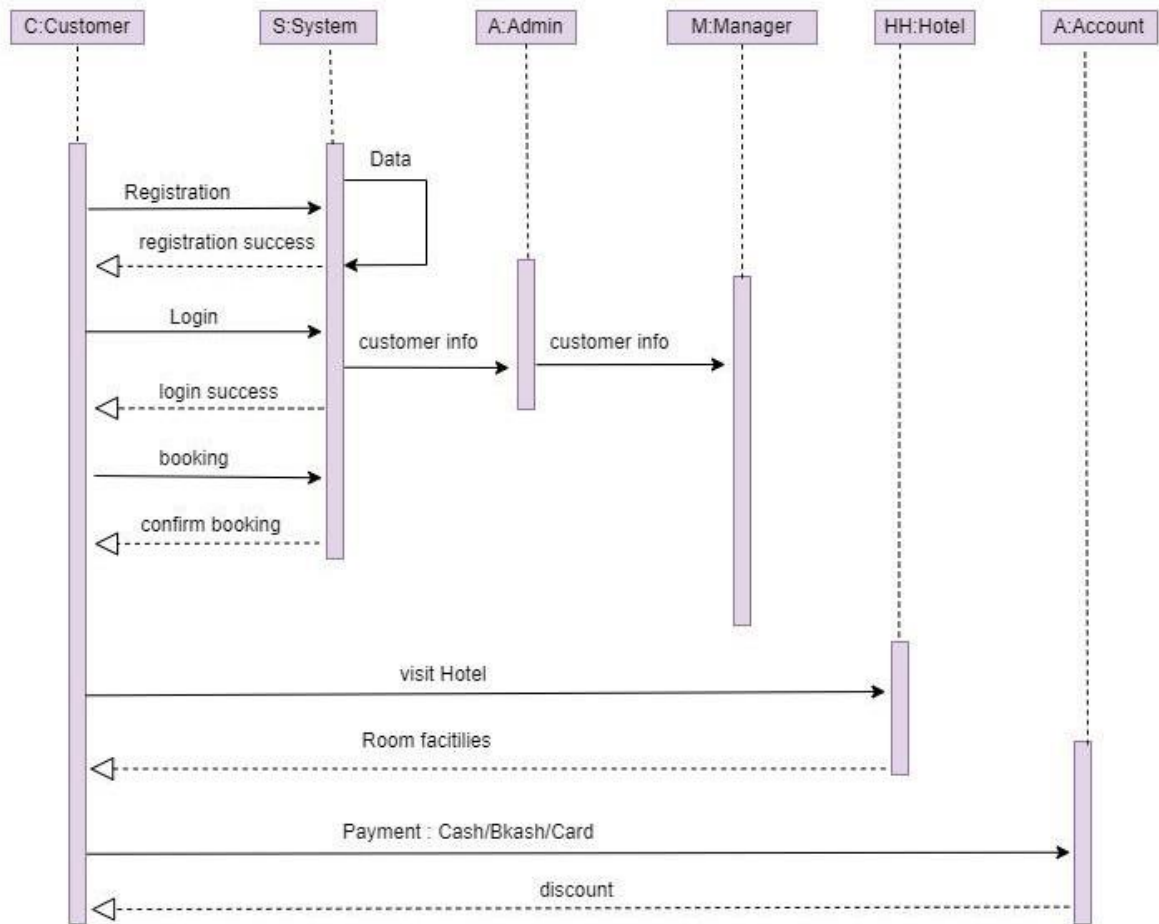
4. Overall Use Case of the project:



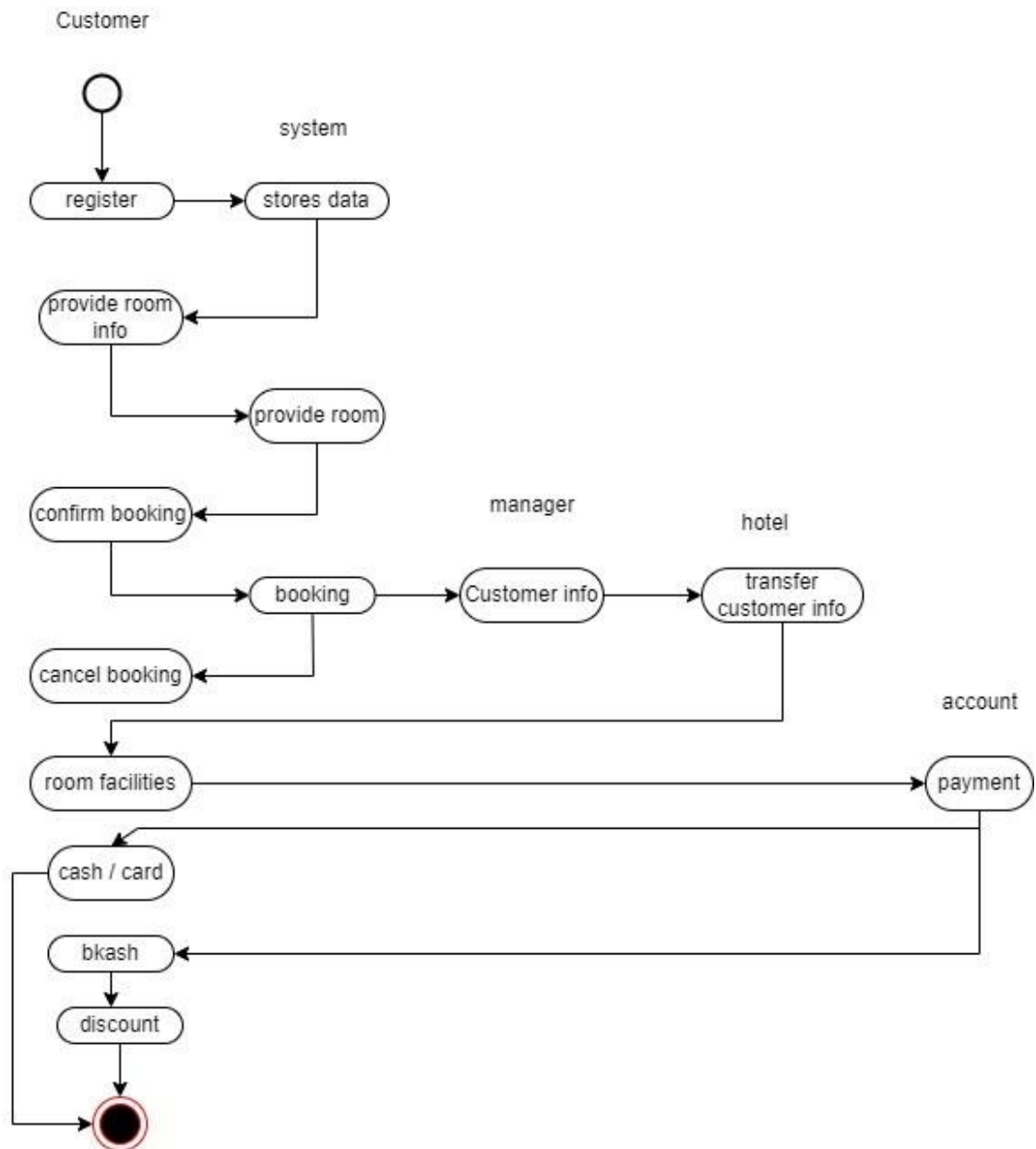
5. Class diagram of the project:



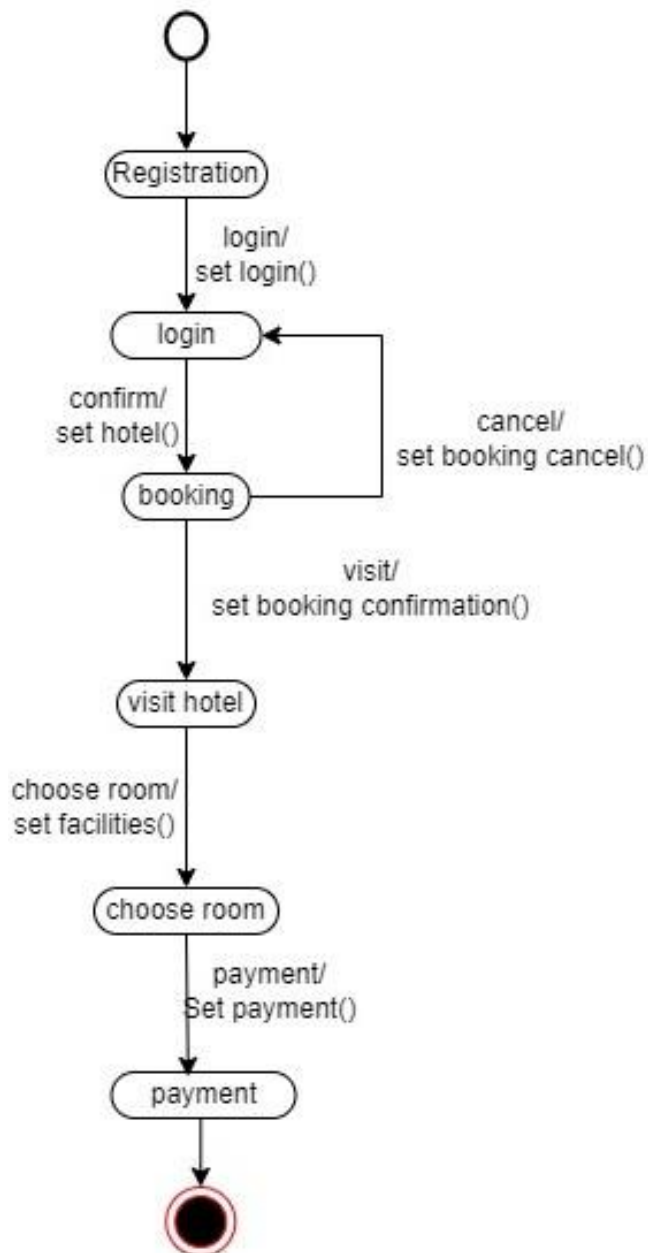
6. Sequence Diagram:



7. Activity Diagram



8. Straight chart diagram:



9. Limitation:

Limitation of this system is a manual procedure in keeping records of their clients and past, current and upcoming reservation of event and rooms. In making a reservation the client must fill-up some forms such as waiver/ gatepass and the reservation form before proceeding to the cashier for payment. This type of process best applies to walk-in customers only since they have the privilege of looking around the rooms and facilities. As for phone call reservation same process applies but it takes more time because of too many inquiries and question, and because it is not a face-to-face transaction error is inevitable.

10. Conclusion : Hotel management system nowadays have the advantage of modernization. The work became more easy. Computer is playing an important role in management. Reports are made on daily basis for every customer check in or check out which can easily be seen by the management. Hotel management system has also primary purpose is to provide facilities to customers. A software for computers makes the things many times easy, these are made as user friendly and to keep an check and balance in hotel management and accounts as well. So ,these things are important.