

Hotel Management System Activity Diagram (<https://www.freeprojectz.com/uml-diagram/hotel-management-system-activity-diagram>)

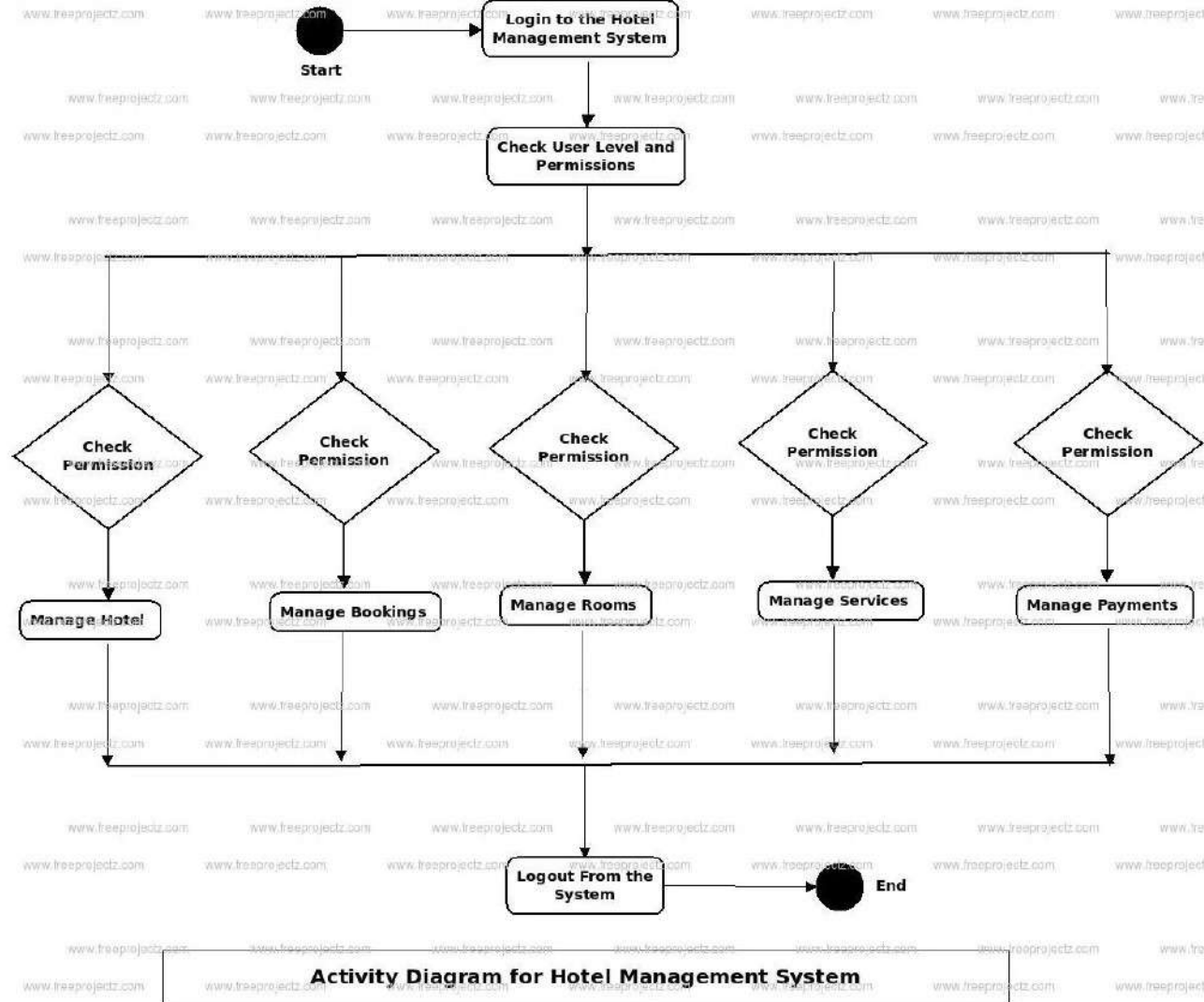
Posted By [freeproject](https://www.freeprojectz.com/users/freeproject) (<https://www.freeprojectz.com/users/freeproject>) on March 13, 2018

This is the **Activity UML diagram of Hotel Management System** which shows the flows between the activity of Hotel, Payments, Rooms, Booking, Customers. The main activity involved in this **UML Activity Diagram of Hotel Management System** are as follows:

- Hotel Activity
- Payments Activity
- Rooms Activity
- Booking Activity
- Customers Activity

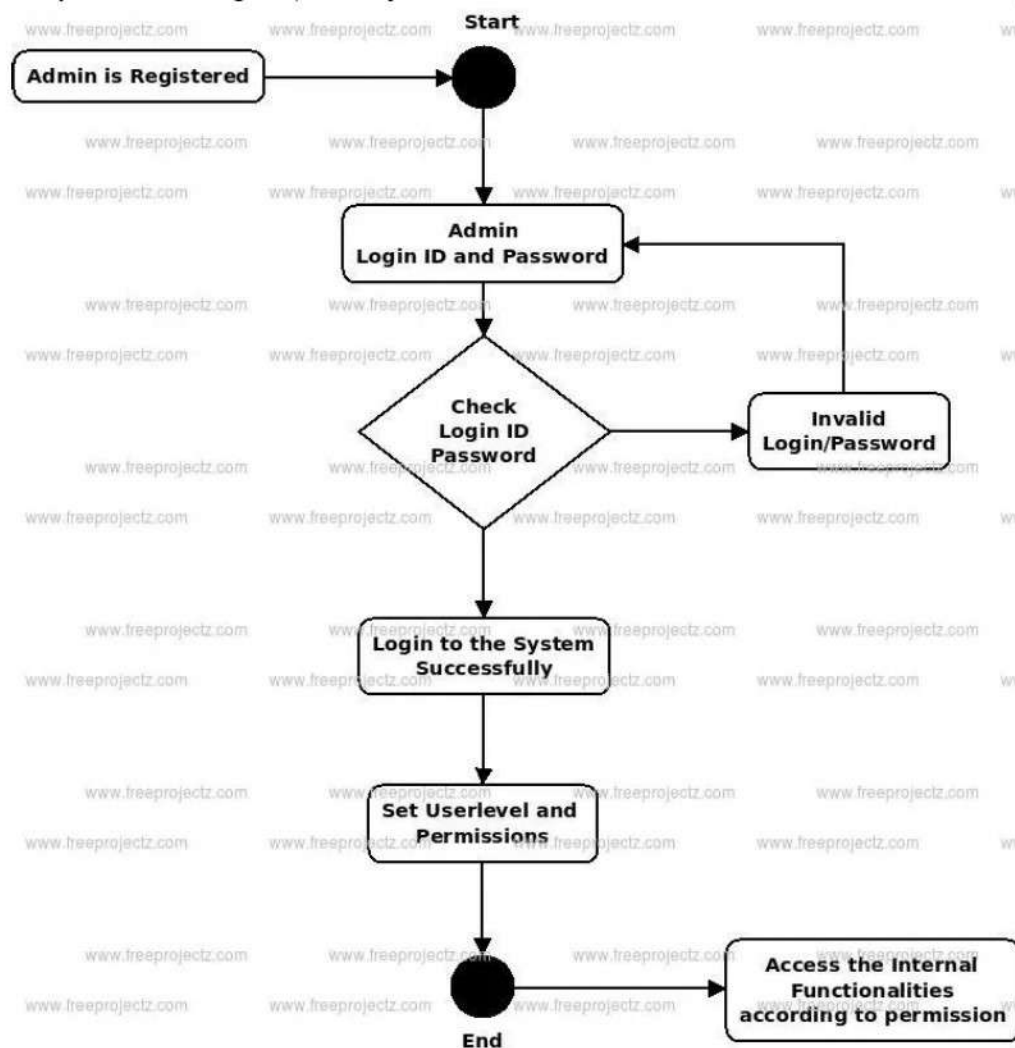
Features Of The Activity UML Diagram Of Hotel Management System

- Admin User can search Hotel, view description of a selected Hotel, add Hotel, update Hotel and delete Hotel.
- Its shows the activity flow of editing, adding and updating of Payments
- User will be able to search and generate report of Rooms, Booking, Customers
- All objects such as (Hotel, Payments, Customers) are interlinked
- Its shows the full description and flow of Hotel, Booking, Customers, Rooms, Payments



Login Activity Diagram Of Hotel Management System:

This is the **Login Activity Diagram of Hotel Management System**, which shows the flows of Login Activity, where admin will be able to login using their username and password. After login user can manage all the operations on Rooms, Hotel, Payments, Customers, Booking. All the pages such as Payments, Customers, Booking are secure and user can access these page after login. The diagram below helps demonstrate how the login page works in a Hotel Management System. The various objects in the Customers, Rooms, Hotel, Payments, and Booking page—interact over the course of the Activity, and user will not be able to access this page without verifying their identity.



Hotel Management System Class Diagram (<https://www.freeprojectz.com/uml/hotel-management-system-class-diagram>)

Posted By [freeproject](https://www.freeprojectz.com/users/freeproject) (<https://www.freeprojectz.com/users/freeproject>) on August 2, 2017

Hotel Management System Class Diagram describes the structure of a Hotel Management System classes, their attributes, operations (or methods), and the relationships among objects. The main classes of the Hotel Management System are Hotel, Rooms, Services, Payments, Booking, Customers.

Classes of Hotel Management System Class Diagram:

- **Hotel Class** : Manage all the operations of Hotel
- **Rooms Class** : Manage all the operations of Rooms
- **Services Class** : Manage all the operations of Services
- **Payments Class** : Manage all the operations of Payments
- **Booking Class** : Manage all the operations of Booking
- **Customers Class** : Manage all the operations of Customers

Classes and their attributes of Hotel Management System Class Diagram:

- **Hotel Attributes** : hotel_id, hotel_name, hotel_type, hotel_rent, hotel_description, hotel_address
- **Rooms Attributes** : room_id, room_hotel_id, room_number, room_category, room_type, room_description
- **Services Attributes** : service_id, service_hotel_id, service_name, service_type, service_description
- **Payments Attributes** : payment_id, payment_customer_id, payment_date, payment_amount, payment_description
- **Booking Attributes** : booking_id, booking_title, booking_type, booking_date, booking_description
- **Customers Attributes** : customer_id, customer_name, customer_mobile, customer_email, customer_username, customer_password, customer_address

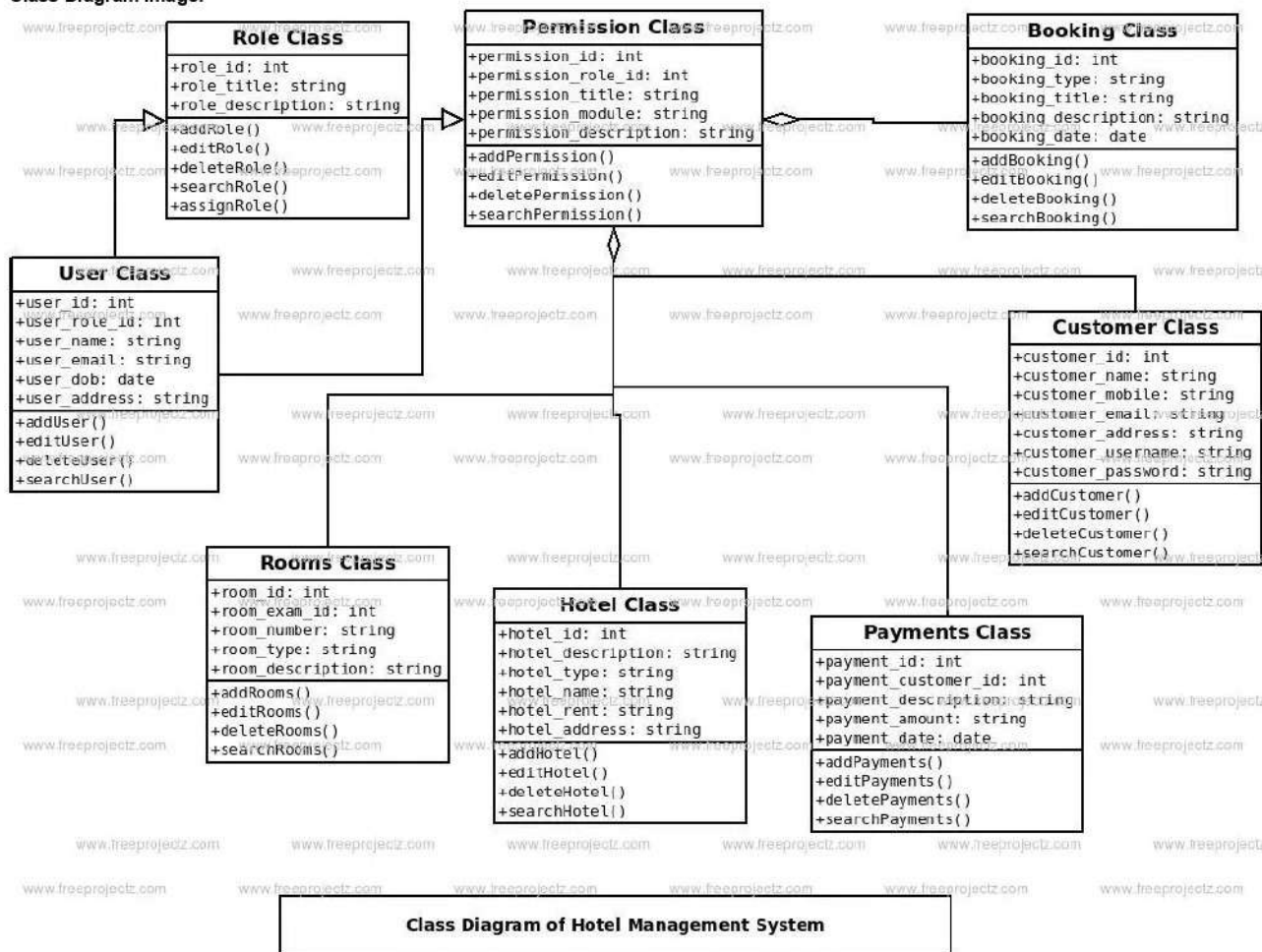
Classes and their methods of Hotel Management System Class Diagram:

- **Hotel Methods** : addHotel(), editHotel(), deleteHotel(), updateHotel(), saveHotel(), searchHotel()
- **Rooms Methods** : addRooms(), editRooms(), deleteRooms(), updateRooms(), saveRooms(), searchRooms()
- **Services Methods** : addServices(), editServices(), deleteServices(), updateServices(), saveServices(), searchServices()

- **Payments Methods** : addPayments(), editPayments(), deletePayments(), updatePayments(), savePayments(), searchPayments()
- **Booking Methods** : addBooking(), editBooking(), deleteBooking(), updateBooking(), saveBooking(), searchBooking()
- **Customers Methods** : addCustomers(), editCustomers(), deleteCustomers(), updateCustomers(), saveCustomers(), searchCustomers()

Class Diagram of Hotel Management System :

Class Diagram Image:



[Hotel Management System Component Diagram \(https://www.freeprojectz.com/uml-diagram/hotel-management-system-component-diagram\)](https://www.freeprojectz.com/uml-diagram/hotel-management-system-component-diagram)

Posted By [freeproject](https://www.freeprojectz.com/users/freeproject) (https://www.freeprojectz.com/users/freeproject) on February 8, 2018

This is a **Component diagram of Hotel Management System** which shows components, provided and required interfaces, ports, and relationships between the Services, Booking, Rooms, Hotel and Customers. This type of diagrams is used in Component-Based Development (CBD) to describe systems with Service-Oriented Architecture (SOA). **Hotel Management System UML component diagram**, describes the organization and wiring of the physical components in a system.

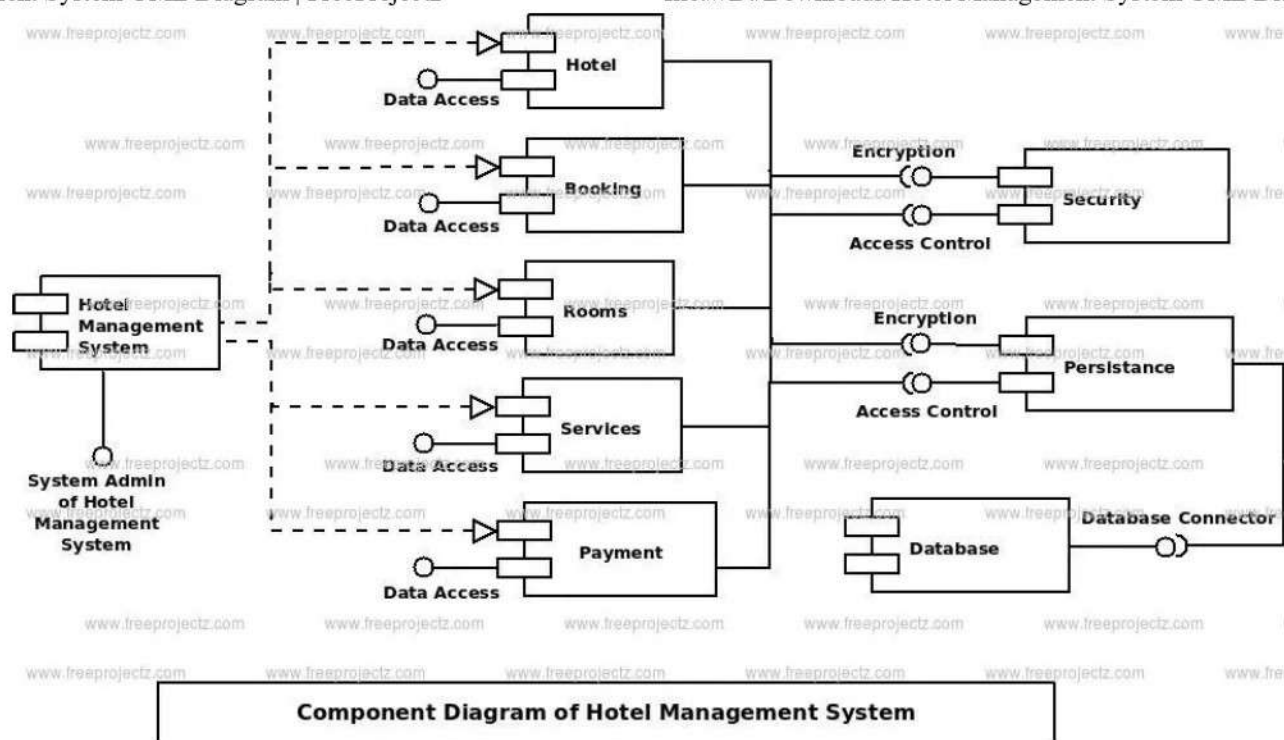
Components of UML Component Diagram of Hotel Management System:

- Services Component
- Booking Component
- Rooms Component
- Hotel Component
- Customers Component

Features of Hotel Management System Component Diagram:

- You can show the models the components of Hotel Management System.
- Model the database schema of Hotel Management System
- Model the executables of an application of Hotel Management System
- Model the system's source code of Hotel Management System

Component Diagram:



Hotel Management System ER Diagram (<https://www.freeprojectz.com/entity-relationship/hotel-management-system-er-diagram>)

Posted By [freeproject](https://www.freeprojectz.com/users/freeproject) (<https://www.freeprojectz.com/users/freeproject>) on July 17, 2017

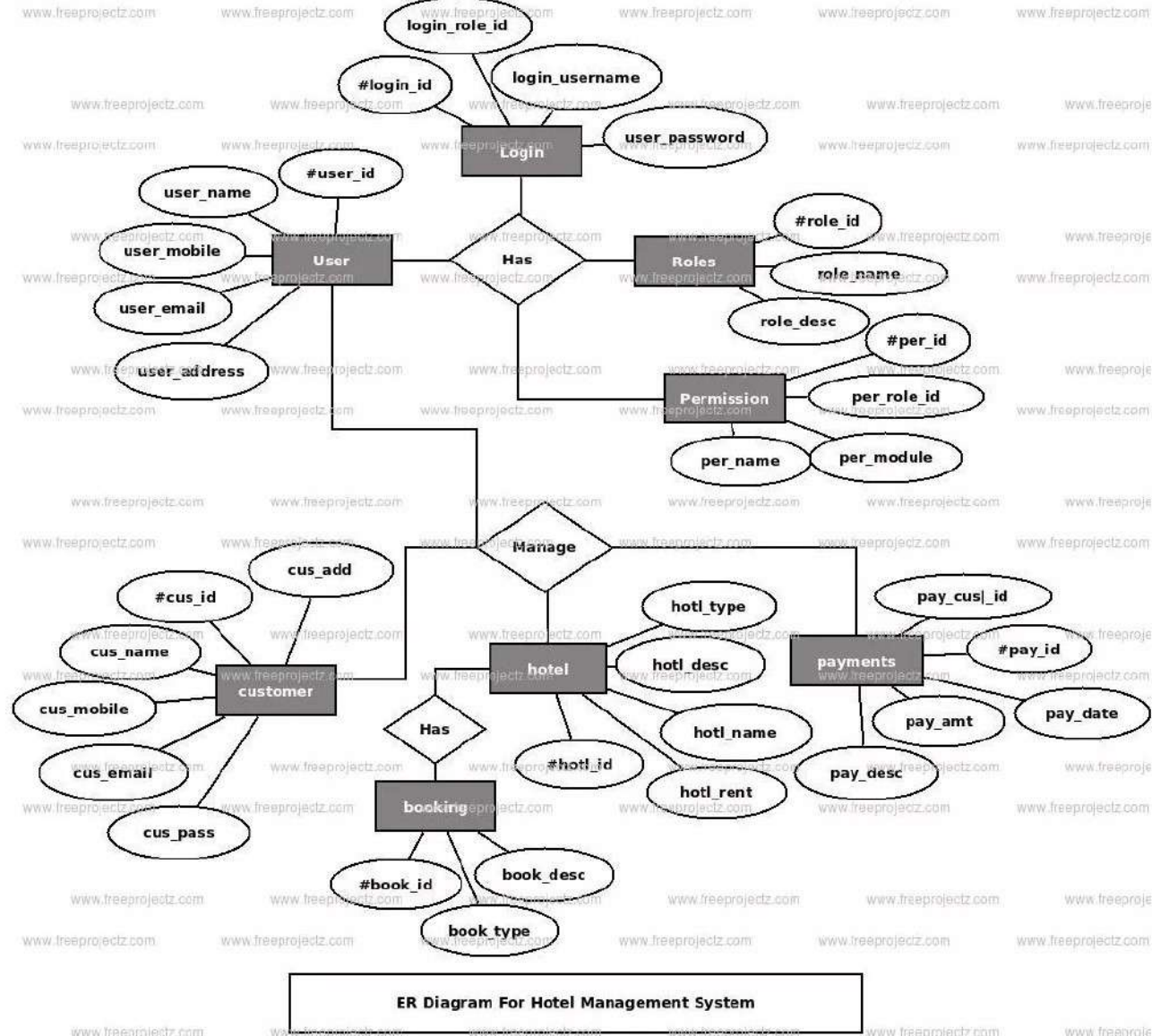
This ER (Entity Relationship) Diagram represents the model of Hotel Management System Entity. The entity-relationship diagram of Hotel Management System shows all the visual instrument of database tables and the relations between Rooms, Payments, Hotel, Customers etc. It used structure data and to define the relationships between structured data groups of Hotel Management System functionalities. The main entities of the Hotel Management System are Hotel, Rooms, Services, Payments, Booking and Customers.

Hotel Management System entities and their attributes :

- **Hotel Entity** : Attributes of Hotel are hotel_id, hotel_name, hotel_type, hotel_rent, hotel_description, hotel_address
- **Rooms Entity** : Attributes of Rooms are room_id, room_hotel_id, room_number, room_category, room_type, room_description
- **Services Entity** : Attributes of Services are service_id, service_hotel_id, service_name, service_type, service_description
- **Payments Entity** : Attributes of Payments are payment_id, payment_customer_id, payment_date, payment_amount, payment_description
- **Booking Entity** : Attributes of Booking are booking_id, booking_title, booking_type, booking_date, booking_description
- **Customers Entity** : Attributes of Customers are customer_id, customer_name, customer_mobile, customer_email, customer_username, customer_password, customer_address

Description of Hotel Management System Database :

- The details of Hotel is store into the Hotel tables respective with all tables
- Each entity (Customers, Services, Booking, Rooms, Hotel) contains primary key and unique keys.
- The entity Services, Booking has binded with Hotel, Rooms entities with foreign key
- There is one-to-one and one-to-many relationships available between Booking, Payments, Customers, Hotel
- All the entities Hotel, Booking, Services, Customers are normalized and reduce duplicacy of records
- We have implemented indexing on each tables of Hotel Management System tables for fast query execution.



[Hotel Management System Sequence Diagram \(https://www.freeprojectz.com/uml-diagram/hotel-management-system-sequence-diagram\)](https://www.freeprojectz.com/uml-diagram/hotel-management-system-sequence-diagram)

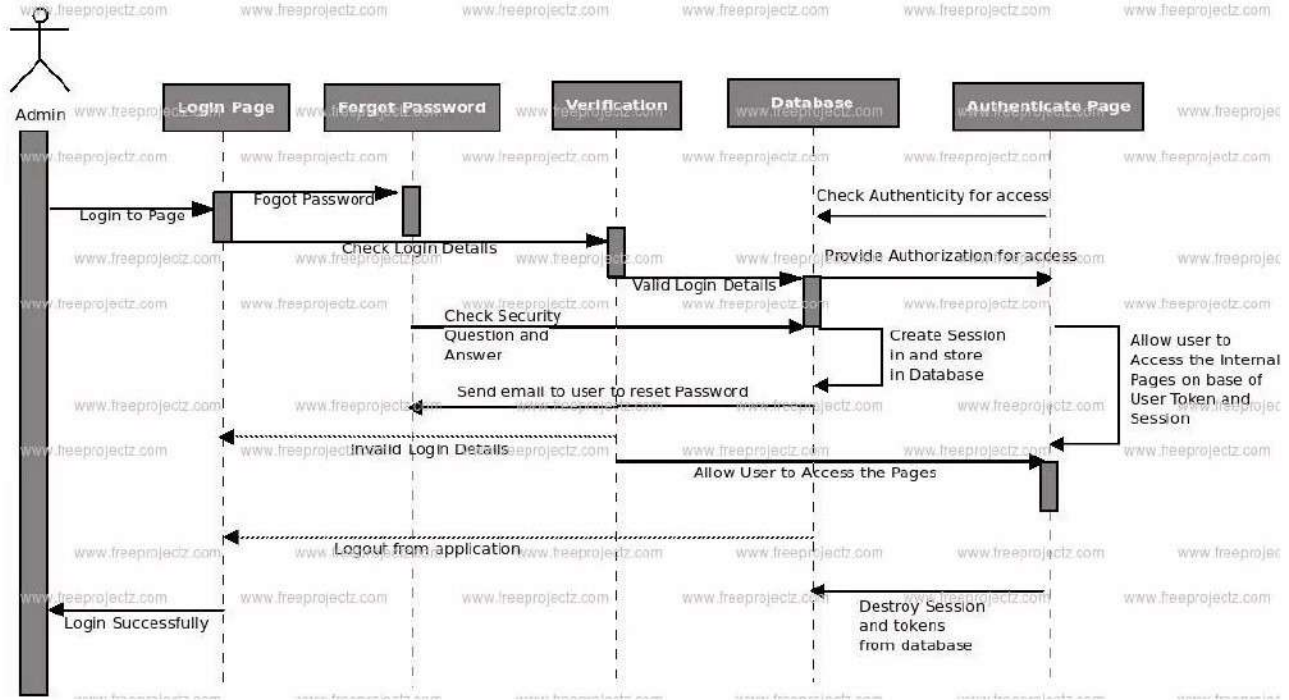
Posted By [freeproject](https://www.freeprojectz.com/users/freeproject) (https://www.freeprojectz.com/users/freeproject) on January 31, 2018

This is the **UML sequence diagram of Hotel Management System** which shows the interaction between the objects of Payments, Rooms, Booking, Services, Hotel. The instance of class objects involved in this UML Sequence Diagram of Hotel Management System are as follows:

- Payments Object
- Rooms Object
- Booking Object
- Services Object
- Hotel Object

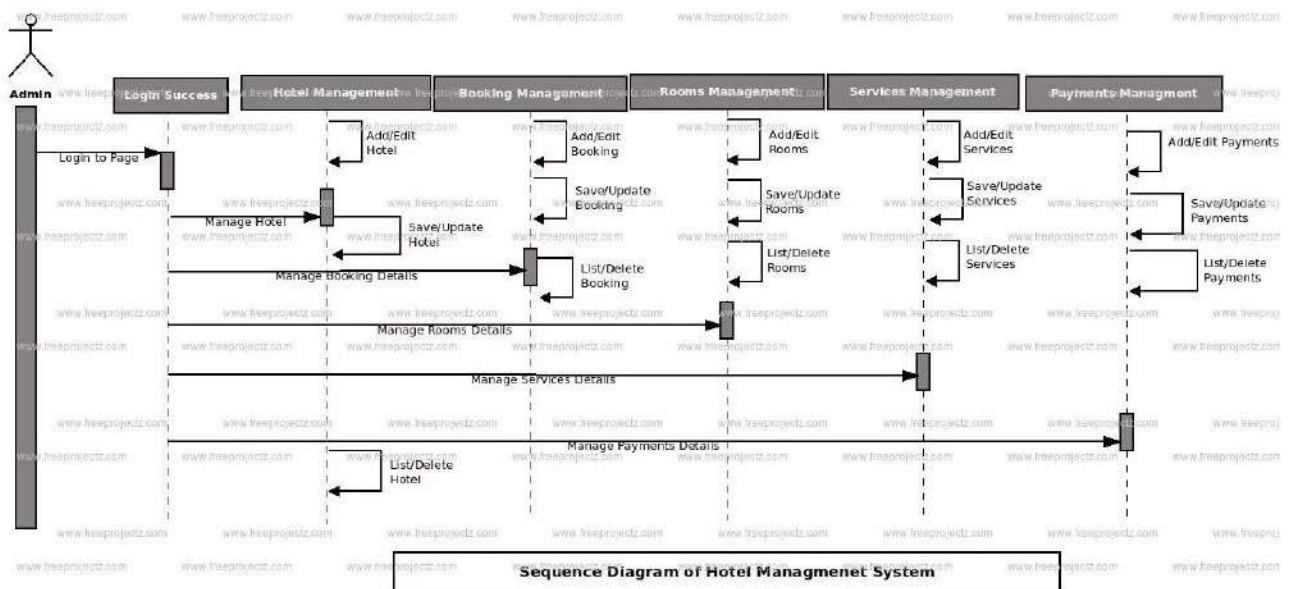
Login Sequence Diagram Of Hotel Management System:

This is the **Login Sequence Diagram of Hotel Management System**, where admin will be able to login in their account using their credentials. After login user can manage all the operations on Booking, Payments, Rooms, Hotel, Services. All the pages such as Rooms, Hotel, Services are secure and user can access these page after login. The diagram below helps demonstrate how the login page works in a Hotel Management System. The various objects in the Hotel, Booking, Payments, Rooms, and Services page—interact over the course of the sequence, and user will not be able to access this page without verifying their identity.



This is the **UML sequence diagram of Hotel Management System** which shows the interaction between the objects of Payments, Rooms, Booking, Services, Hotel. The instance of class objects involved in this UML Sequence Diagram of Hotel Management System are as follows:

- Payments Object
- Rooms Object
- Booking Object
- Services Object
- Hotel Object



Hotel Management System Use Case Diagram (<https://www.freeprojectz.com/use-case/hotel-management-system-use-case-diagram>)

Posted By [freeproject](https://www.freeprojectz.com/users/freeproject) (<https://www.freeprojectz.com/users/freeproject>) on July 24, 2017

This Use Case Diagram is a graphic depiction of the interactions among the elements of Hotel Management System. It represents the methodology used in system analysis to identify, clarify, and organize system requirements of Hotel Management System. The main actors of Hotel Management System in this Use Case Diagram are: Super Admin, System User, Employee, Anonymous Users, who perform the different type of use cases such as Manage Hotel, Manage Rooms, Manage Services, Manage Payments, Manage Booking, Manage Customers, Manage Users and Full Hotel Management System Operations. Major elements of the UML use case diagram of Hotel Management System are shown on the picture below.

The relationships between and among the actors and the use cases of Hotel Management System:

- **Super Admin Entity** : Use cases of Super Admin are Manage Hotel, Manage Rooms, Manage Services, Manage Payments, Manage Booking,

Manage Customers, Manage Users and Full Hotel Management System Operations

- **System User Entity** : Use cases of System User are Manage Hotel, Manage Rooms, Manage Services, Manage Payments, Manage Booking, Manage Customers
- **Employee Entity** : Use cases of Employee are Manage Rooms, Manage Facilities, Search Rooms, Search Customers, Create Bills, Collect Payments
- **Anonymous Users Entity** : Use cases of Anonymous Users are View Information, Fill Contact Us, Search Content

Use Case Diagram of Hotel Management System :

