MINI PROJECT [OOMD]

TITLE: UML Diagrams For Hotel Management System

Activity UML diagram

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

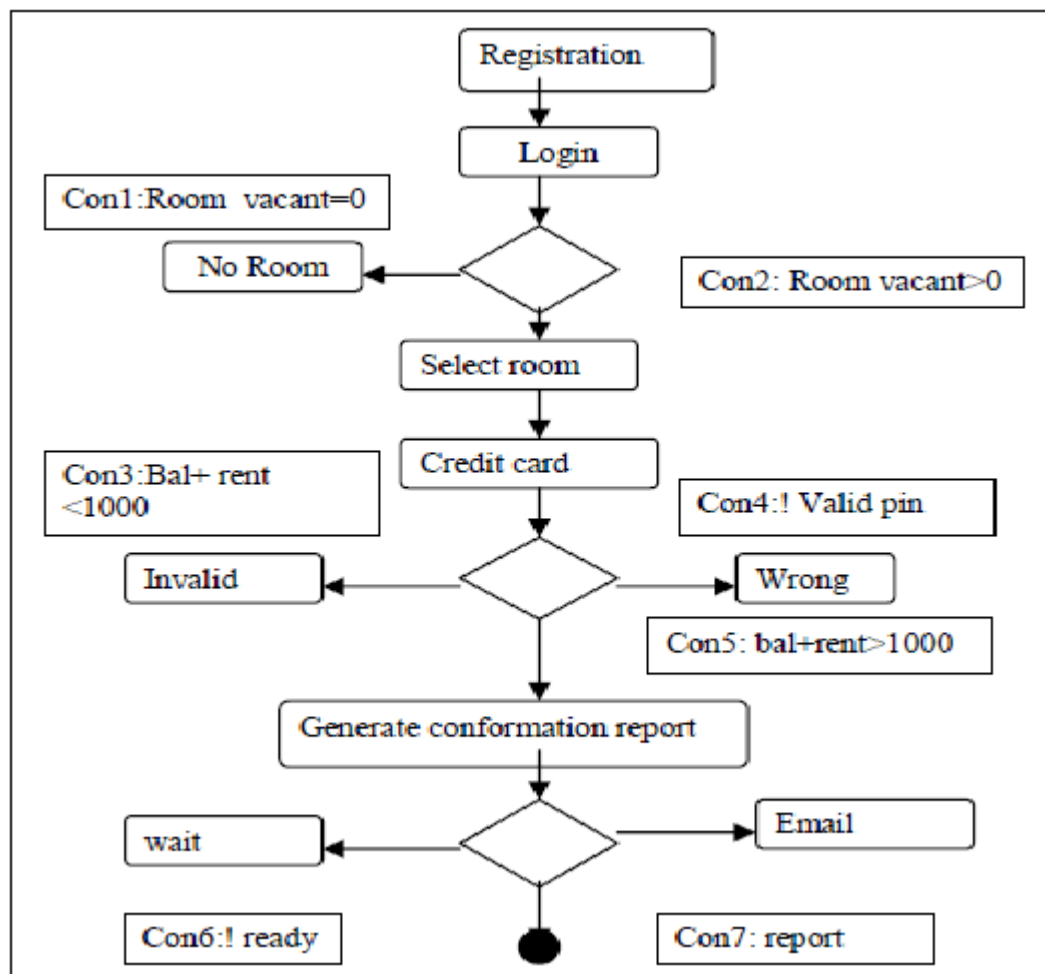Booking Activity

Customers Activity

Fig. Activity Diagram

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

Class Diagram

Hotel Management System Class Diagram describes the structure of a Hotel Management System casses their artes operation for metod and the relationships among objects. The main classes of the Hotel Management System are Hotel Room, Services Payments, Booking C

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
Hotel Methods: addHotel(), editHotel(), deleteHotel(), updateHotel(), saveHotel), searchHote , addRooms(), editRooms(), deleteRooms(), updateRooms(), saveRoomall(), searchRooms()
Services Methods: addServices(), editServices(), deleteServices(), updateServices(), saveServices), searchServices()
Payments Methods: addPayments(), editPayments(), deletePayments(), updatePayments(), savePayments()
Booking Methods : addBooking(), editBooking(), delete Booking(), updateBooking(), savelocking() searchBooking()
Customers Methods: addCustomers(), editCustomers(), deleteCustomers(), updateCustomers()
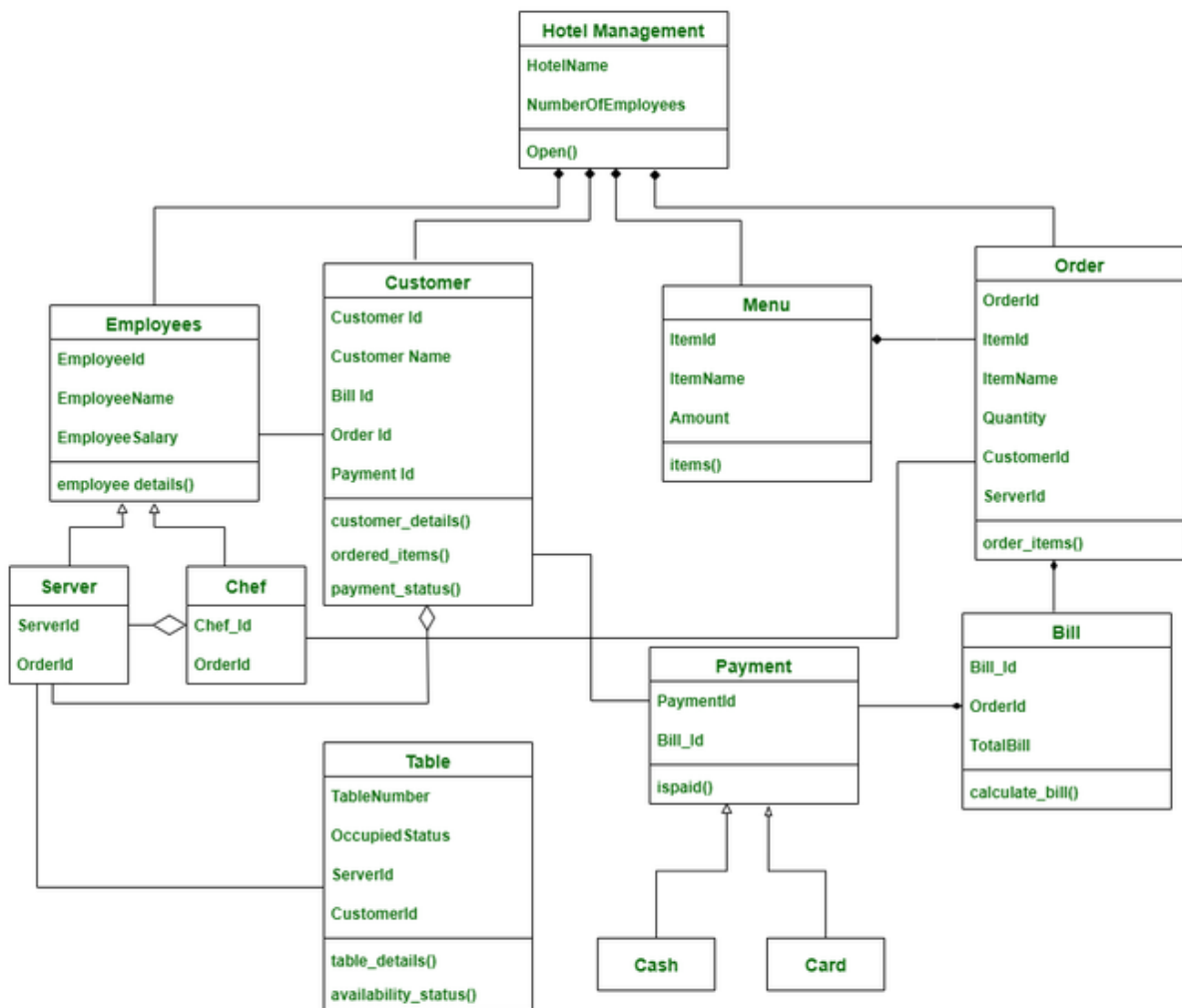
Fig. Class Diagram

Component Diagram

Component diagram of Hotel Management System which shows components, provided and required interfaces, ports, and relationships be tween the Services, Booking, Rooms, Hotel and Customers. This type of diagrams is used in Component-Based Development (CBD) to describe sys tems 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

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