# Hotel Management System

This hotel management system will track all hotel reservations, whether the customer or a hotel employee enters them.

Requirements:

The hotel management system will

* Keep track of the number of available rooms by room type any given date
* Record customer information
  + First Name, Last Name
  + Address, City, State, Zip
  + Phone Number
  + Email Address
* Record Rooms
  + Room number
  + Room Type
  + Max Occupants
  + Default Room Rate
* Recorded reservations must include the following:
  + Room Type
  + Number of occupants
  + Room Rate
  + Generated Confirmation Number
  + Check-in date
  + Check-out date
  + Customer ID of the customer who made the reservation.
* The customer must be able to
  + Make a reservation.
  + Modify their reservation.
  + View their reservation.
  + Cancel their reservation.
  + Pay for their Invoice.
* Employees must be able to
  + Make a reservation.
  + Modify a reservation.
  + Cancel a reservation.
  + Check customers into a hotel.
    - Issue a room key.
    - Assign Guest to a Room
  + Check customers out of the hotel.
  + Create a hotel invoice.
  + Collect Payment