[16:26] Codrin Leonte

Client.cs - do not inherit from Hotel?  
Keep only Client related data  
Id - can be string (CNP) or Guid  
Name,  
email  
phone etc

Check IN/Check out - > in Booking/Reservation class

--------------------  
Booking.cs  
- Guid Id  
- DateTime CheckIn  
- DateTime CheckOut  
- Client Client  
- Room Room  
GetNumberOfNights()  
GetFinalPrice(){​​GetNumberOfDays() \* Room.Price }​​

---------------  
Abstract class Room  
- Id: Guid  
- Number  
- Floor  
- Price  
- Bedrooms  
- Status  
BookRoom(Status = Taken)  
ClearRoom(Status = Available)

SingleRoom: Room  
Beedrooms = 1  
Price = ?

DoubleRoom: Room  
Beedrooms = 2  
Price = ?

LuxuryRoom: Room  
Price = ?

-------------------  
Hotel.cs  
Guid Id  
Name  
Address

- List<Client> Clients {​​get; set;}​​ ;  
RegisterClient(){​​  
Clients.Add(client)

RemoveClient(string cnp)

ListClients();

- List of Rooms

AddRoom(Room room)  
UpdateRoomPrice(int roomNumber, int price)  
GetAllRooms()  
GetAvailableRooms(Datetime from, Datetime to)

- List of Bookings

AddBooking(Guid clientId, Guid roomId, DateTime checkIn, DateTime checkOut)

GetAllBookings()  
GetActiveBookings(){​​where Checkout date is in the future}​​  
ClearBooking(Guid bookingId)