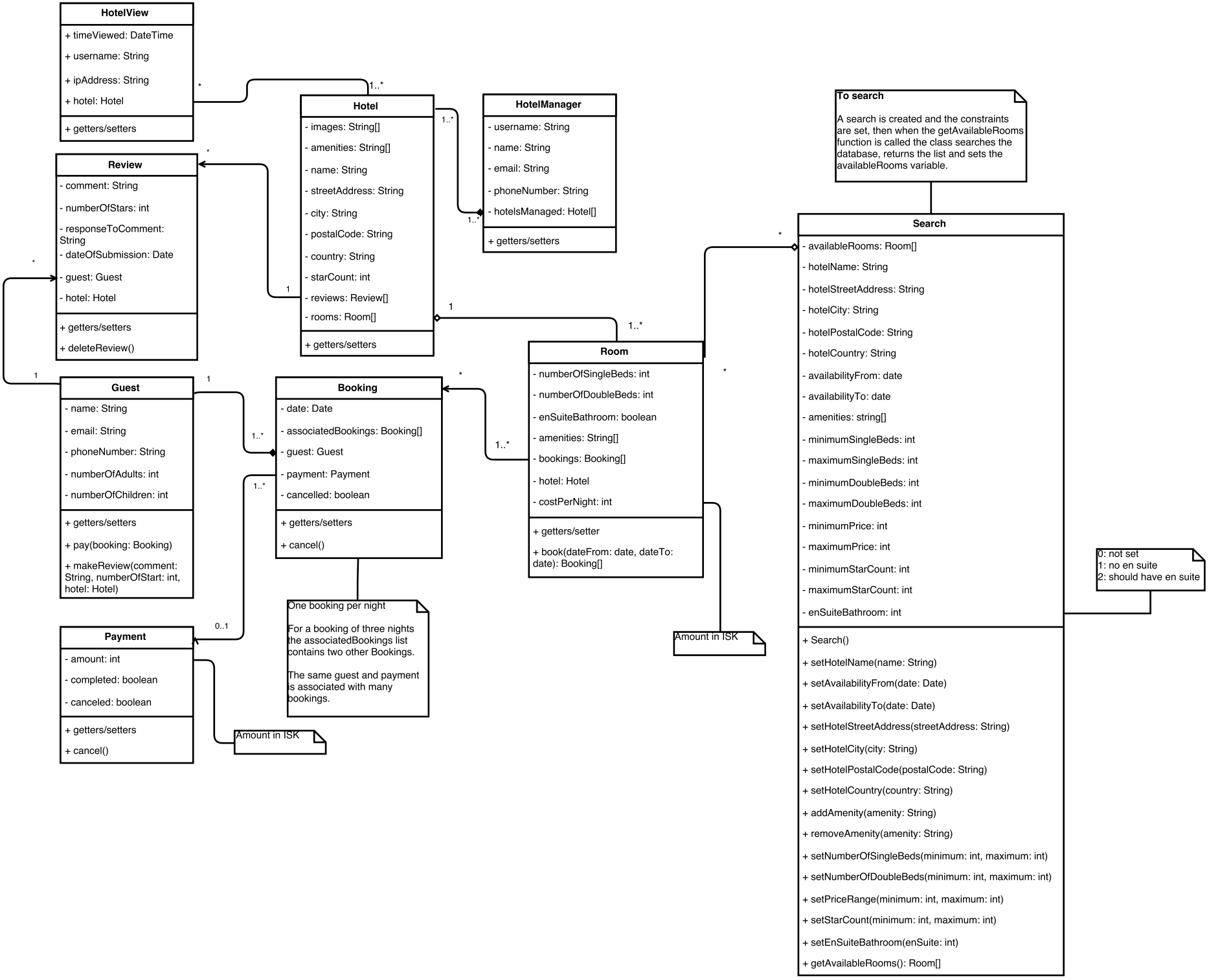
HotelView
+ timeViewed: DateTime
+ username: String
+ ipAddress: String
+ hotel: Hotel
+ getters/setters
Hotel
- images: String[]
- amenities: String[]
- name: String
- streetAddress: String
- city: String
- postalCode: String
- country: String
- starCount: int
- reviews: Review[]
- rooms: Room[]
+ getters/setters
HotelManager
- username: String
- name: String
- email: String
- phoneNumber: String
- hotelsManaged: Hotel[]
+ getters/setters
Review
- comment: String
- numberOfStars: int
- responseToComment: String
- dateOfSubmission: Date
- guest: Guest
- hotel: Hotel
+ getters/setters
+ deleteReview()
Guest
- name: String
- email: String
- phoneNumber: String
- numberOfAdults: int
- numberOfChildren: int
+ getters/setters
+ pay(booking: Booking)
+ makeReview(comment: String, numberOfStart: int, hotel: Hotel)
Booking
- date: Date
- associatedBookings: Booking[]
- guest: Guest
- payment: Payment
- cancelled: boolean
+ getters/setters
+ cancel()
Payment
- amount: int
- completed: boolean
- canceled: boolean
+ getters/setters
+ cancel()
Amount in ISK
One booking per night
For a booking of three nights the associatedBookings list contains two other Bookings.
The same guest and payment is associated with many bookings.
Room
- numberOfSingleBeds: int
- numberOfDoubleBeds: int
- enSuiteBathroom: boolean
- amenities: String[]
- bookings: Booking[]
- hotel: Hotel
- costPerNight: int
+ getters/setter
+ book(dateFrom: date, dateTo: date): Booking[]
Amount in ISK
To search
A search is created and the constraints are set, then when the getAvailableRooms function is called the class searches the database, returns the list and sets the availableRooms variable.
Search
- availableRooms: Room[]
- hotelName: String
- hotelStreetAddress: String
- hotelCity: String
- hotelPostalCode: String
- hotelCountry: String
- availabilityFrom: date
- availabilityTo: date
- amenities: string[]
- minimumSingleBeds: int
- maximumSingleBeds: int
- minimumDoubleBeds: int
- maximumDoubleBeds: int
- minimumPrice: int
- maximumPrice: int
- minimumStarCount: int
- maximumStarCount: int
- enSuiteBathroom: int
+ Search()
+ setHotelName(name: String)
+ setAvailabilityFrom(date: Date)
+ setAvailabilityTo(date: Date)
+ setHotelStreetAddress(streetAddress: String)
+ setHotelCity(city: String)
+ setHotelPostalCode(postalCode: String)
+ setHotelCountry(country: String)
+ addAmenity(amenity: String)
+ removeAmenity(amenity: String)
+ setNumberOfSingleBeds(minimum: int, maximum: int)
+ setNumberOfDoubleBeds(minimum: int, maximum: int)
+ setPriceRange(minimum: int, maximum: int)
+ setStarCount(minimum: int, maximum: int)
+ setEnSuiteBathroom(enSuite: int)
+ getAvailableRooms(): Room[]
0: not set
1: no en suite
2: should have en suite