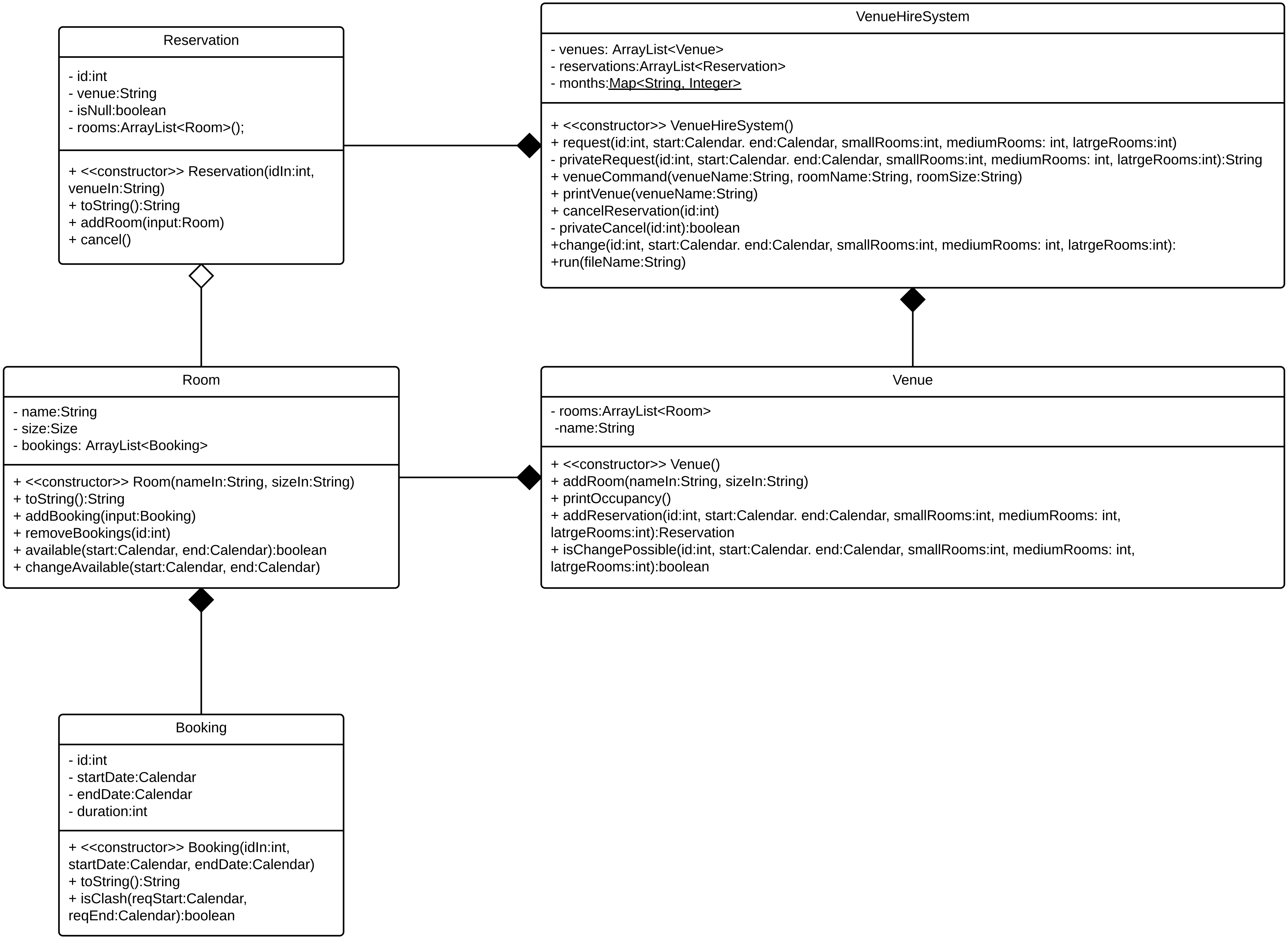

Reservation

- id:int
- venue:String
- isNull:boolean
- rooms:ArrayList<Room>();

+ <<constructor>> Reservation(idIn:int, venueIn:String)
+ toString():String
+ addRoom(input:Room)
+ cancel()

VenueHireSystem

- venues: ArrayList<Venue>
- reservations:ArrayList<Reservation>
- months:Map<String, Integer>

+ <<constructor>> VenueHireSystem()
+ request(id:int, start:Calendar. end:Calendar, smallRooms:int, mediumRooms: int, latrgeRooms:int)
- privateRequest(id:int, start:Calendar. end:Calendar, smallRooms:int, mediumRooms: int, latrgeRooms:int):String
+ venueCommand(venueName:String, roomName:String, roomSize:String)
+ printVenue(venueName:String)
+ cancelReservation(id:int)
- privateCancel(id:int):boolean
+change(id:int, start:Calendar. end:Calendar, smallRooms:int, mediumRooms: int, latrgeRooms:int):
+run(fileName:String)

Room

- name:String
- size:Size
- bookings: ArrayList<Booking>

+ <<constructor>> Room(nameIn:String, sizeIn:String)
+ toString():String
+ addBooking(input:Booking)
+ removeBookings(id:int)
+ available(start:Calendar, end:Calendar):boolean
+ changeAvailable(start:Calendar, end:Calendar)

Venue

- rooms:ArrayList<Room>
-name:String

+ <<constructor>> Venue()
+ addRoom(nameIn:String, sizeIn:String)
+ printOccupancy()
+ addReservation(id:int, start:Calendar. end:Calendar, smallRooms:int, mediumRooms: int, latrgeRooms:int):Reservation
+ isChangePossible(id:int, start:Calendar. end:Calendar, smallRooms:int, mediumRooms: int, latrgeRooms:int):boolean

Booking

- id:int
- startDate:Calendar
- endDate:Calendar
- duration:int

+ <<constructor>> Booking(idIn:int, startDate:Calendar, endDate:Calendar)
+ toString():String
+ isClash(reqStart:Calendar, reqEnd:Calendar):boolean