RoomSystem

f 🔒	presenter	RoomPresenter
f 🔒	sc	InputStrategy
m 🔒	RoomSystem(RoomManager)	
m 🔒	scanner()	String
m 🔒	inputCapacity()	Integer
m 🔒	addRoom()	void
m 🔒	getRoomsInfo()	void
m 🔒	isWrongFormat(String)	boolean
m 🔒	inputEventCapacity(String)	Integer
m 🔒	addEventToRoom(String, String, Timestamp, Timestamp)	boolean
m 🔒	removeEventFromRoom(String)	boolean
m 🔒	askForRoomName()	String
m 🔒	askForStartTime()	Timestamp
m 🔒	askForEndTime()	Timestamp
m 🔒	CheckroomAvailability(String, Timestamp, Timestamp)	boolean
m 🔒	checkRoomExistence()	String
m 🔒	getRoomCapacity(String)	int
m 🔒	changeCapacity(String, int)	int
p	rooms	RoomManager

RoomPresenter

m ○	printRoomInfo(List<String>)	void
m ○	removeEventFromRoomResult(boolean)	void
m 🔒	addANewRoom(boolean)	void
m 🔒	roomExistMessage()	void
m ○	askRoomInput()	void
m ○	askNewRoomName()	void
m ○	askNewRoomCapacity()	void
m ○	roomNotExist()	void
m ○	askEventStartTime()	void
m ○	askEventEndTime()	void
m ○	askEventCapacity()	void
m ○	capacityInvalid(Integer)	void
m ○	timeNotAvailable(String, String)	void
m ○	roomNotExistReEnter()	void
m ○	askNewRoomStartSlot()	void
m ○	askNewRoomEndSlot()	void
m ○	wrongTimeSlot()	void
m ○	failToChangeCapacity()	void

Room

f 🔒	capacity	Integer
f 🔒	availableTime	NavigableMap<Integer, Integer>
f 🔒	roomName	String
f 🔒	schedule	Map<String, Timestamp[]>
m	Room(int, Integer[][], String)	
m	getCapacity()	int
m	getRoomName()	String
m	getEvents()	List<String>
m	isAvailable(Timestamp, Timestamp)	boolean
m	isValidTimeSlots(Timestamp, Timestamp)	boolean
m	addEventToSchedule(Timestamp, Timestamp, String)	boolean
m	removeEventFromSchedule(String)	boolean
m 🔒	printSchedule()	String
m	printAvailableTime()	String
m 🔒	toString()	String

RoomManager

f 🔒	roomList	Map<String, Room>
m	RoomManager()	
m	printRoom(String)	String
m	printAllRoom()	String
m	addRoom(int, Integer[][], String)	boolean
m	hasRoom(String)	boolean
m	checkRoomAvailability(Timestamp, Timestamp, String)	boolean
m	checkRoomTimeSlots(Timestamp, Timestamp, String)	boolean
m	addEventToRoom(String, String, Timestamp, Timestamp)	boolean
m	removeEventFromRoom(String, String)	boolean
m	getRoomCapacity(String)	int
m	getRoomTimeSlots(String)	String
m	getRoomsInfo()	List<String>
m	getEventLocation(String)	String