HotelBookingSystem

- bookNames: ArrayList<String>

- emptyOrder: Order

- hotelList: ArrayList<hotel>

+ main(String[]):void

+ functionDistributor(String):void

+ getStringByIndex(String[], int):String

+ addHotelRoom(Multiple Args):Boolean

+ bookRoom(Multiple Args):String

+ cancelBooking(Multiple Args):String

+ changeBooking(Multiple Args):String

+ printHotel(String):void

Hotel

- name: String

- rooms: ArrayList<Room>

+ addBooking(Order):void

+ addRoom(String, Capacity): Boolean

+ getName(): String

+ getRooms(): ArrayList<Room>

+ print(): void

+ tryBooking(String, Capacity, LocalDate, int): Order

Order

- hotelName: String

- roomNumber: String

- name: String

- startDate: LocalDate

- endDate: LocalDate

- length: int

+ equals(Object): Boolean

+ toString(): String

+ getHotelName(): String

+ getRoomNumber(): String

+ getName(): String

+ getStartDate(): LocalDate

+ getEndDate(): LocalDate

+ getLength(): int

Room

- capacity: Capacity

- hotelName: String

- orders: ArrayList<Order>

- roomNumber: String

+ addOrder(Order): void

+ getCapacity(): Capacity

+ getOrders(): ArrayList<Order>

+ getRoomNumbers(): String

+ makeOrder(String, LocalDate, Capacity, int): Order

+ releaseOrder(String): Order

+ toString(): String

enum Capacity

+ SINGLE

+ DOUBLE

+ TRIPLE