**Class: Person**

+ name: string

+ contact: string

+ displayInfo(): void

**Class: Guest : Person**

+ roomNumber: int

+ checkInDate: string

+ checkOutDate: string

+ bookRoom(): void

+ checkout(): void

**Class: Room**

+ roomNumber: int

+ type: string

+ price: float

+ isAvailable: bool

+ showRoomInfo(): void

**Class: Hotel**

+ rooms[100]: Room

+ guests[100]: Guest

+ staff[50]: Staff

+ bookRoom(): void

+ checkoutGuest(): void

+ showStatus(): void