









Guest

- name: String
- email: String
- phoneNumber: String
- address: String
- guestID: int

- + getName(): String
- + setName(name: String): void
- + getEmail(): String
- + setEmail(email: String): void
- + getphoneNumber(): String
- + setphoneNumber(phoneNumber: String): void
- + getAddress(): String
- + setAddress(address: String): void
- + getguestID(): int
- + setguestID(guestID: int): void
- + makeReservation(): void
- + modifyReservation(): void
- + cancelReservation(): void



Reservation

- reservationID: int
- checkInDate: Date
- checkoutDate: Date
- roomType: String
- totalCost: double
- status: String

- + getreservationID(): int
- + setreservationID(id: int): void
- + getcheckInDate(): Date
- + setcheckInDate(checkInDate: Date): void
- + getcheckoutDate(): Date
- + setcheckoutDate(checkoutDate: Date): void
- + getroomType(): String
- + setroomType(roomType: String): void
- + gettotalCost(): double
- + settotalCost(totalCost: double): void
- + getstatus(): String
- + setstatus(status: String): void
- + confirmReservation(): void
- + updateReservation(): void
- + cancelReservation(): void



Room

- roomNumber: int
- roomType: String
- availabilityStatus: Boolean
- floorNumber: int
- viewType: String

- + getroomNumber(): int
- + setroomNumber(roomNumber: int): void
- + getroomType(): String
- + setroomType(roomType: String): void
- + getavailabilityStatus(): Boolean
- + setavailabilityStatus(status: Boolean): void
- + getfloorNumber(): int
- + setfloorNumber(floorNumber: int): void
- + getViewType(): String
- + setviewType(viewType: String): void
- + checkAvailability(): Boolean
- + assignRoom(): void



Payment

- paymentID: int
- paymentAmount: double
- paymentMethod: String
- transactionDate: Date
- paymentStatus: String

- + getpaymentID(): int
- + setpaymentID(paymentID: int): void
- + getpaymentAmount(): double
- + setpaymentAmount(amount: double): void
- + getpaymentMethod(): String
- + setpaymentMethod(method: String): void
- + gettransactionDate(): Date
- + settransactionDate(date: Date): void
- + getpaymentStatus(): String
- + setpaymentStatus(status: String): void
- + processPayment(): void
- + issueRefund(): void