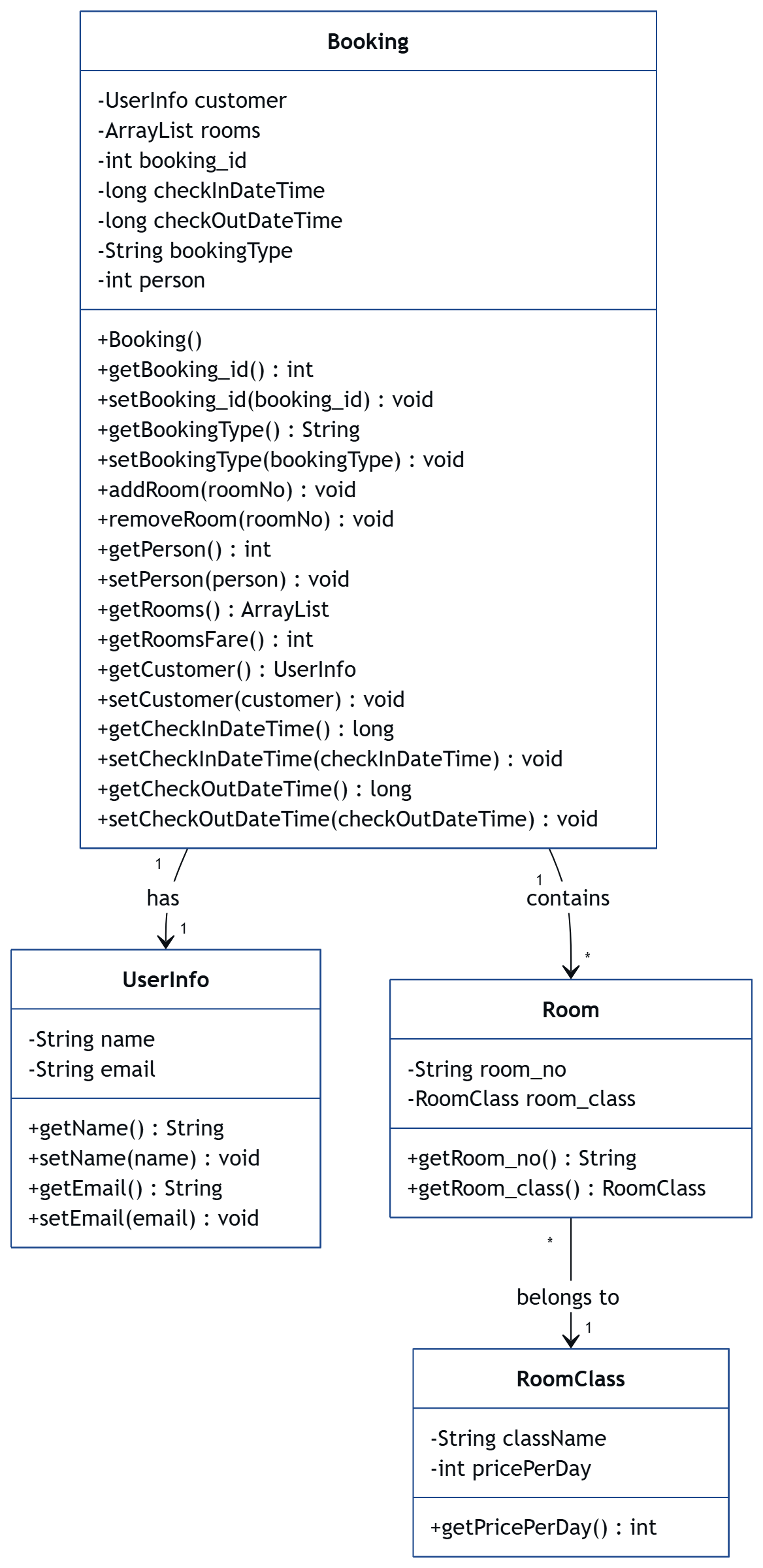
**Task 1**



**Task 2**

Package.hotelmanagement.model;

import java.util.ArrayList;

/\*\*

\* Represents additional food orders made during a customer's stay.

\* Each ExtraOrders object belongs to a customer booking.

\*

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\*/

public class ExtraOrders {

private ArrayList<Food> foods; // Holds list of Food items

private int orderId;

/\*\*

\* Constructor initializes with an empty food list.

\*/

public ExtraOrders() {

this.foods = new ArrayList<>();

this.orderId = -1;

}

public ArrayList<Food> getFoods() {

return foods;

}

public void setFoods(ArrayList<Food> foods) {

this.foods = foods;

}

public int getOrderId() {

return orderId;

}

public void setOrderId(int orderId) {

this.orderId = orderId;

}

/\*\*

\* Adds a food item to the order.

\*/

public void addFood(Food food) {

this.foods.add(food);

}

/\*\*

\* Removes a food item by name.

\* @param foodName name of food item to remove

\*/

public void removeFood(String foodName) {

foods.removeIf(food -> food.getFoodName().equals(foodName)); // Cleaner removal

}

/\*\*

\* Calculates total cost of the food order.

\*/

public int getTotalCost() {

return foods.stream()

.mapToInt(Food::getPrice)

.sum(); // Stream used for better readability

}

}

Package.hotelmanagement.model;

public class Food {

private String foodName; // Name of the food item

private int price; // Price of the food item

/\*\*

\* Constructor initializes food item with a name and price.

\* @param foodName Name of the food item

\* @param price Price of the food item

\*/

public Food(String foodName, int price) {

this.foodName = foodName;

this.price = price;

}

public String getFoodName() {

return foodName;

}

public void setFoodName(String foodName) {

this.foodName = foodName;

}

public int getPrice() {

return price;

}

public void setPrice(int price) {

this.price = price;

}

/\*\*

\* Returns a string representation of the food item.

\* @return Formatted string of food details

\*/

@Override

public String toString() {

return "Food{" +

"foodName='" + foodName + '\'' +

", price=" + price +

'}';

}

}