

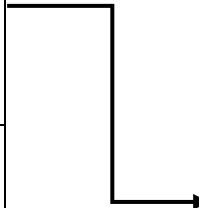
## HOTEL MANAGEMENT SYSTEM PROJECT CLASS DIAGRAM

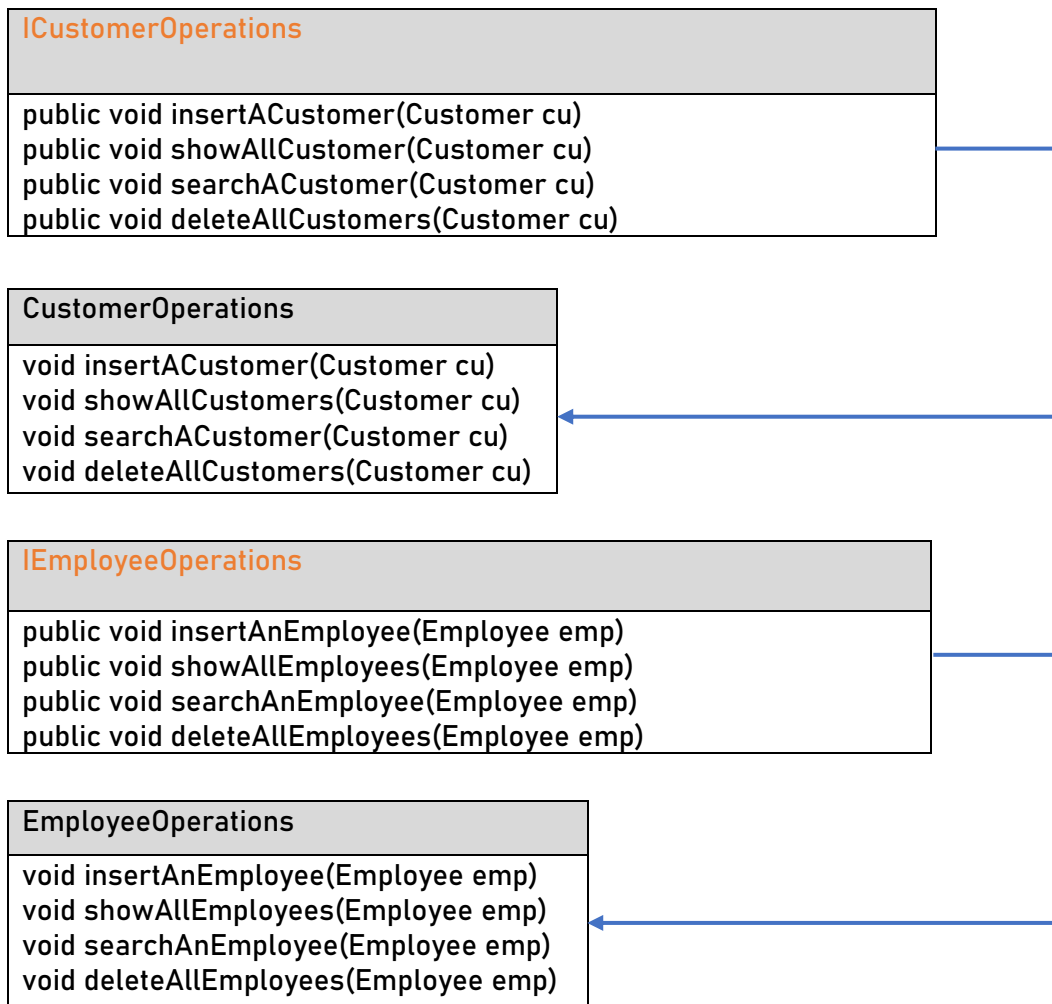
Employee
String name; String nid; String designation; int age; String nationality;
void setName(String name) void setnId(String nid) void setDesignation(String designation) void setAge(int age) void setNationality(String nationality) String getName() String getnId() String getDesignation() int getAge() String getNationality()

Customer
String name; String nid; int age; int phoneNumber; String nationality;
void setName(String name) void setnId(String nid) void setAge(int age) void setphoneNumber(int phoneNumber) void setNationality(String nationality) String getName() String getnId() int getAge() int getphoneNumber() String getNationality()

Room
int RoomNo; String roomType; int DeluxCost; int NormalCost;
void setroomNo(int RoomNo) void setRoomType(String roomType) int getroomNo() String getRoomType() void setDeluxCost(int DeluxCoxt) void setNormalCost( int NomalCost) int getDeluxCost() int getNormalcost() abstract void getCustomerNumber()

Booking
Int customerNO
void setCustomerNo() int getCustomerNo() void getCustomerNumber() void bookAroom(Customer c) void DeluxeCheckout(Customer c) void NormalCheckout(Customer c) void OrderFood(Customer c)





BLACK ARROW - EXTENSION

BLUE ARROW - IMPLEMENTATION

RED - ABSTRACT CLASS

ORANGE - INTERFACE

N.B – The object reference of Employee and Customer classes gets used so that is why there is no extension or inheritance on them.

## USER INTERFACE OF THE PROGRAM

START
<p>HOTEL MANAGEMENT SYSTEM</p> <p>WELCOME TO JNE INTERNATIONAL INN.</p> <ol style="list-style-type: none"><li>1. EMPLOYEE MANAGEMENT<ol style="list-style-type: none"><li>i. Insert an Employee</li><li>ii. Show All Employees</li><li>iii. Search an Employee</li><li>iv. Delete All Employees</li></ol></li><li>2. CUSTOMER MANAGEMENT<ol style="list-style-type: none"><li>i. Insert a Customer</li><li>ii. Show All Customers</li><li>iii. Search by Name</li><li>iv. Delete All Customers</li></ol></li><li>3. BOOKING/FOOD ORDERING<ol style="list-style-type: none"><li>i. Book A Room</li><li>ii. Order Food</li></ol></li><li>4. Checkout</li><li>5. Exit the menu.</li></ol>

N.B – This program will simultaneously run until the user chooses to exit the menu