Lab - 3

① Write the class diagrams for all the five applications

① Hotel management System

Hotel		Room
-hotelName:	1.. 1..*	-roomNumber:
-hotelAddress:	-have	-roomType:
-hotelRating:		:isAvailable:
-hotelPhone:		-isCleaned:
+ addRoom()		+ checkAvailability()
+ removeRoom()		+ bookRoom()
+ viewAvailableRooms()		
+ bookRoom()		

<<enumeration>>
roomType
Single
Double
Suite

has 1..*
+have

Employee	Booking		Invoice
+Id	- checkIn:	1..* 1..1	- InvoiceID:
+Email	- checkOut:	have	- PaymentDate:
+ dob			- Payment Method:
+ContactNo	-bookingId:		
+ viewDetails()	+ generateInvoice()		+ generateReceipt()

1..* have

1..* have

Customer		Payment
- CustomerName:		- PaymentID:
- customerPhone:	1 0..*	- PaymentDate:
- customerId:	+ have	- payment Method:
- customerAddress:		
+ makeReservation()		+ processPayment()
+ cancelReservation()		+ issueRefund()