Assignment-2

1,2.) Classes Identified and its Properties, Methods:

- Restaurant
 - -restId:int
 - -restName:String
 - -ownerId:int
 - -ownerName: String
 - -deliveryCharges:int
 - -menu: MenuItem
 - -menuList:ArrayList<MenuItem>
 - -orderToDelivery:ArrayList<Order>
 - -ordersDelivered:ArrayList<Order>
 - -minCost:int
 - +getters & setters
- Address
 - +mobile:String
 - +address:String
 - +getters & setters
- Customer
 - -custId
 - -private String custName:String
 - -custCartCost:int
 - -custEmail:String
 - -custOrderedItems:int
 - -order:Order
 - -owner:boolean
 - -orderHistory:ArrayList<Order>
 - -cart:ArrayList<MenuItem>
 - -currentOrders:ArrayList<Order>
 - +getters & setters
- Owner
 - +ownerId: int
 - +ownerName: String
 - +owned: Restaurant
 - +getters & setters
- Admin
 - -adminId:int
 - -password:String
 - +getter & setters
- BussinessObject
 - +restaurantId:int
 - +ownerId: int
 - +custId:int;
 - + itemId:int;
 - +orderId:int;
 - +rests:ArrayList<Restaurant>
 - +ownerList:ArrayList<Owner>
 - +customerList:ArrayList<Customer>

- +adminList:ArrayList<Admin>
- +login:Login
- +superAdmin():void
- +addRestaurant():void
- +removeRestaurant():void
- +viewRestaurants():void
- +viewOwners():void
- +viewCustomers():void
- +removeRestaurantId():void
- +addCustomer():void
- +viewMenu():void
- +adminLogin():Login
- +ownerLogin():Login
- +customerLogin():Login
- +getOwnedRestId():int
- +getCustomerFromLoginId():Customer
- +addMenu():void
- +updateDeliveryCharges():void
- +updateMinPurchaseCost():void
- +addToCart():void
- +getMenuListFromRestId():ArrayList<MenuItem>
- +viewCart():void
- +removeItemFromCart():void
- +orderFood():void
- +trackOrder():void
- +viewOrderedHistory:void

Login

- -loginId:int
- -email:String
- -password: String
- -admin: boolean
- -customer:boolean
- -owner:boolean
- -loginStatus: String
- +getters & setters

MenuItem

- -itemId:int
- -category: String
- -itemName: String
- -itemCost: int
- -restId: int
- +getters & setters

Order

- -orderId:int
- -orderName: String
- -orderedByCustomerId: int
- -orderedByCustomerName: String
- -orderToRestId: int
- -orderCost: int
- -orderTime: Date
- -String status: String
- -order:ArrayList<MenuItem>
- +getters & setters

- OnlineFood
 - +restaurant: Restaurant +onlineFood :OnlineFood +busObj :BussinessObject
 - +login: Login +admin():void +owner():void +customer():void

3. Relationship between Entities(Classes):

- Customer can order to many Restaurants to order food.(one to many)
- Customer can order many Orders(one to many)
- Owner to Restaurant(one to one).
- Customer to Restaurant.(many to one)
- Customer can Order many Items.(one to many)

