CASE STUDY: RESTAURANT MANAGEMENT

By :-

Ashwin V – CB.EN.U4CSE18212

Venkatasubramanian N – CB.EN.U4CSE18266

# Classes of the Case Study

|  |  |  |
| --- | --- | --- |
| Object | State | Behavior |
| Waiter | TableNo.  ItemNo  ItemName  Quantity  Availability  OrderStatus  Feedback | SearchItem()  ConfirmOrder()  SetOrderStatus()  AddToBill()  GetFeedback() |
| Customer | ReservationID  Name  TableNo.  NumberOfGuests  OrderItems  Bill | SearchItem()  OrderItem()  PlaceBill() |
| Menu | Cuisine  Type  Name  Recipe  Price | GetAvailability() |
| Kitchen | ResourceType  ResourceLevel  Availavility  CurrentStatus | SetAvailability()  SetCurrentStatus() |
| Restaurant | Status  TableNo,  BillAmount  OverallFeedback | SetStatus()  CalcBill()  SendBill()  SetFeedback() |
| Table | TableNo.  NoOfSeats  Status | SetStatus()  AssignTable()  ChangeNOS() |
| Reservation | ReservationID  NoOfGuests  Name | Read() |
| Feedback | Name  Feedback  EmailID  BirthAnniversary  PhoneNumber | Read()  UploadFeedback() |

# Object Interaction

|  |  |
| --- | --- |
| Object Names | Purpose |
| Customer, Waiter | Table booking, Table allocation, Order  placement, Receiving bills and payment |
| Waiter, Kitchen | Passing orders, Checking availability of  dishes, return of order and its current status |
| Waiter, Restaurant | Checking table availability status, Passing of  orders, Preparing bills. |

# OBJECT MODEL

