Software Engineering Lab Submission

Name : Devadathan N R

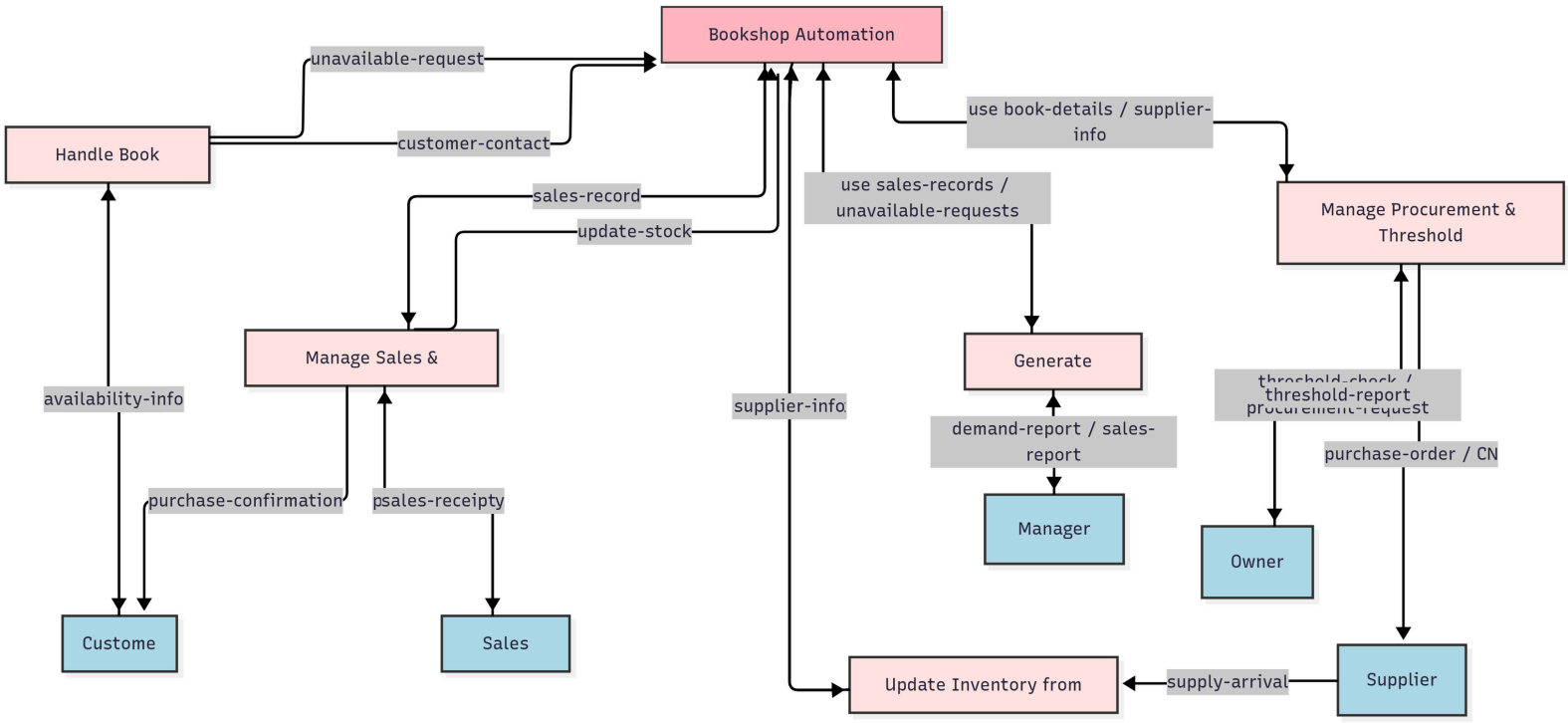
Reg No: 230905010

Roll No: 4

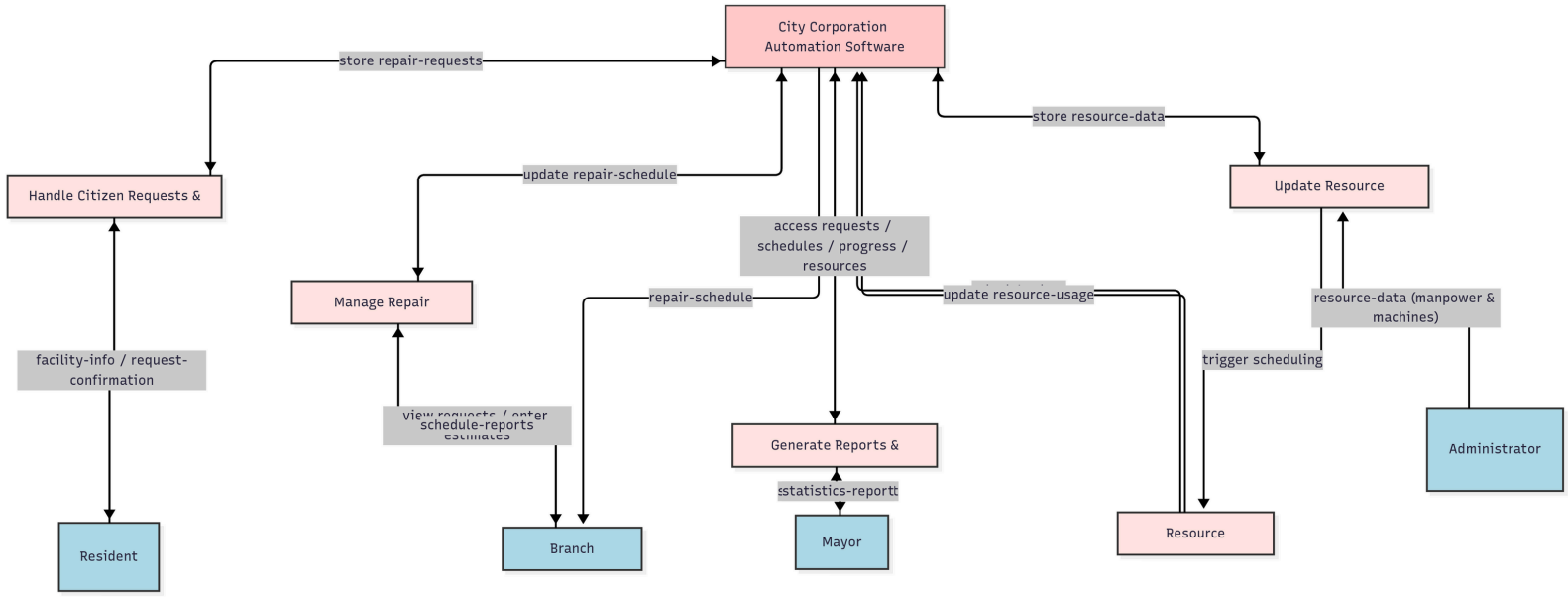
Class: CSE - A

Date: 07/09/2025

Book-Shop Automation System - Structure Chart

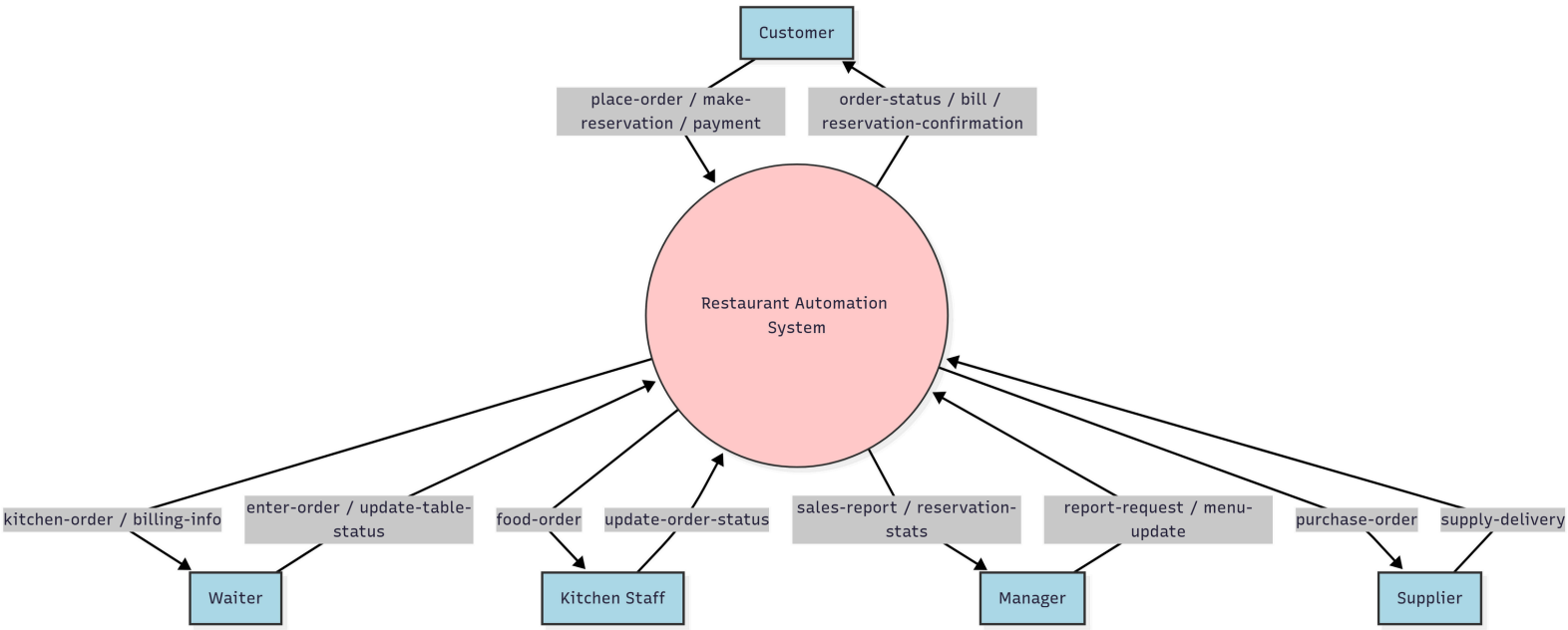


City Coorporation Automation System - Structure Chart

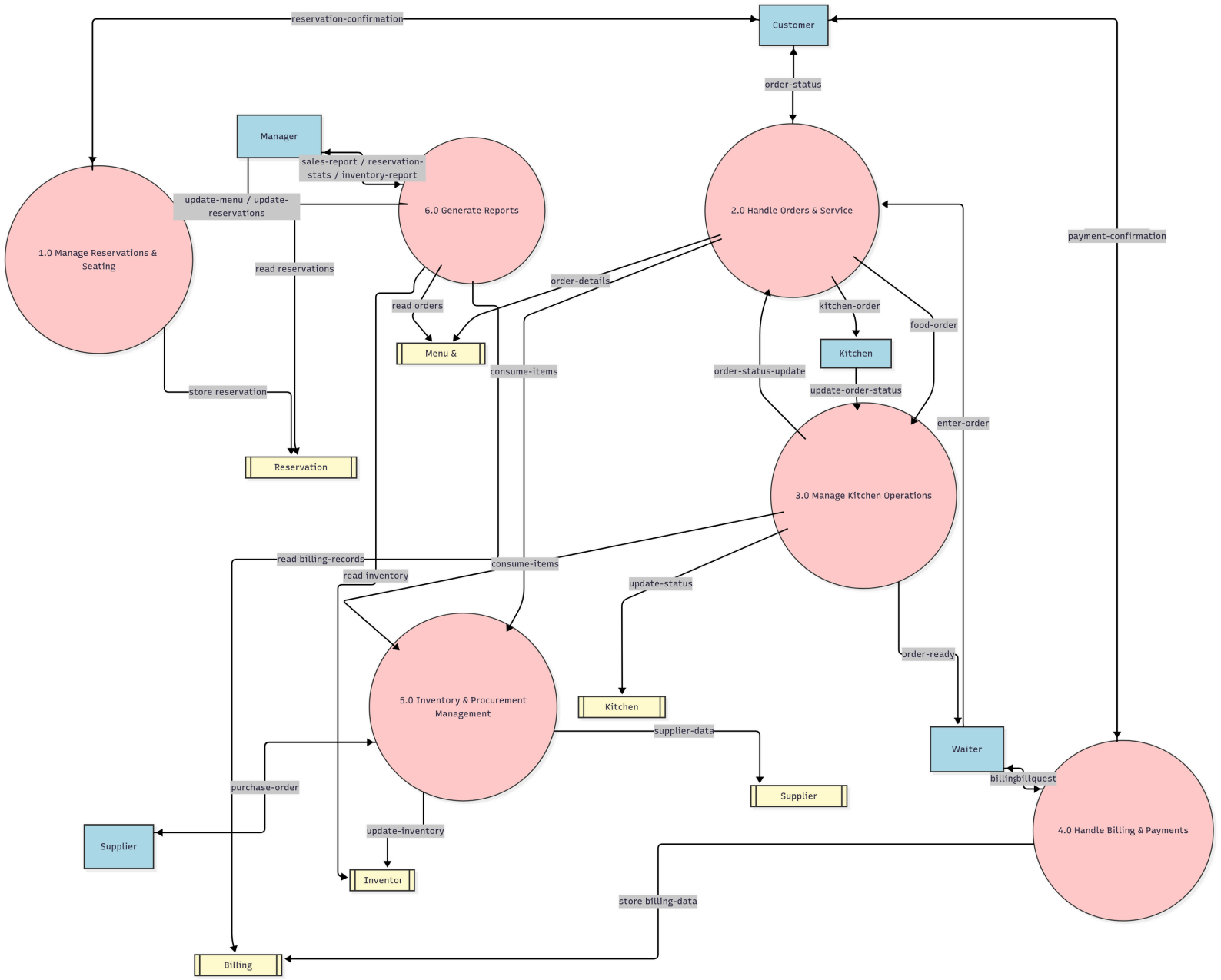
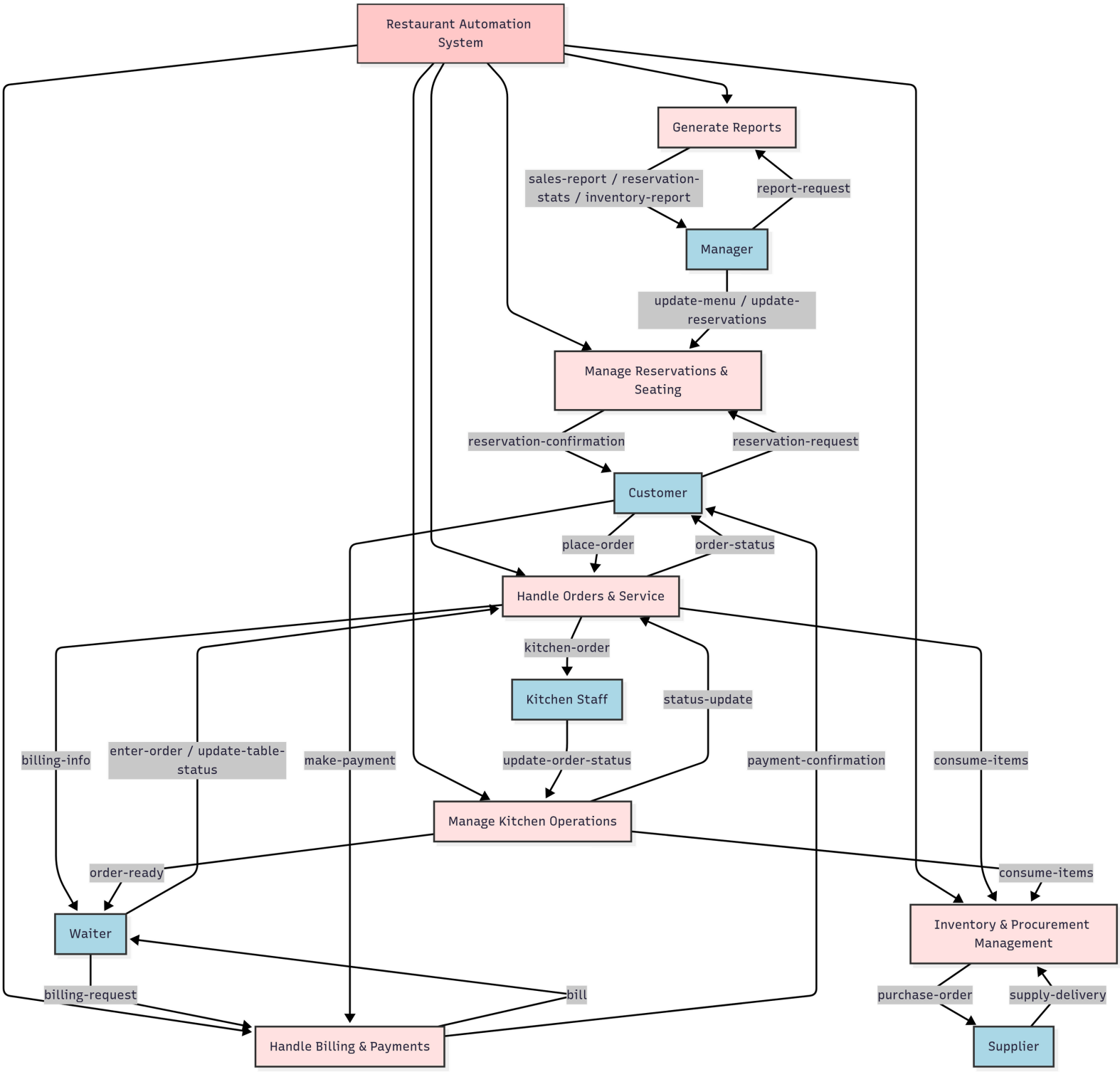

City Corporation Automation Software
store repair-requests
Handle Citizen Requests &
update repair-schedule
Manage Repair
access requests / schedules / progress / resources
repair-schedule
update resource-usage
store resource-data
Update Resource
resource-data (manpower & machines)
Administrator
trigger scheduling
facility-info / request-confirmation
Resident
schedule-reports
Branch
Generate Reports &
statistics-report
Mayor
Resource

Restaurant Automation System

Context Diagram



DFD - Level 1


reservation-confirmation
Customer
order-status
Manager
sales-report / reservation-stats / inventory-report
update-menu / update-reservations
6.0 Generate Reports
1.0 Manage Reservations & Seating
2.0 Handle Orders & Service
payment-confirmation
read reservations
order-details
read orders
kitchen-order
food-order
Menu &
Kitchen
consume-items
order-status-update
update-order-status
store reservation
enter-order
Reservation
3.0 Manage Kitchen Operations
read billing-records
consume-items
read inventory
update-status
order-ready
5.0 Inventory & Procurement Management
Kitchen
supplier-data
Waiter
billingbillquest
purchase-order
Supplier
Supplier
update-inventory
4.0 Handle Billing & Payments
Inventor
store billing-data
Billing

Structure Chart