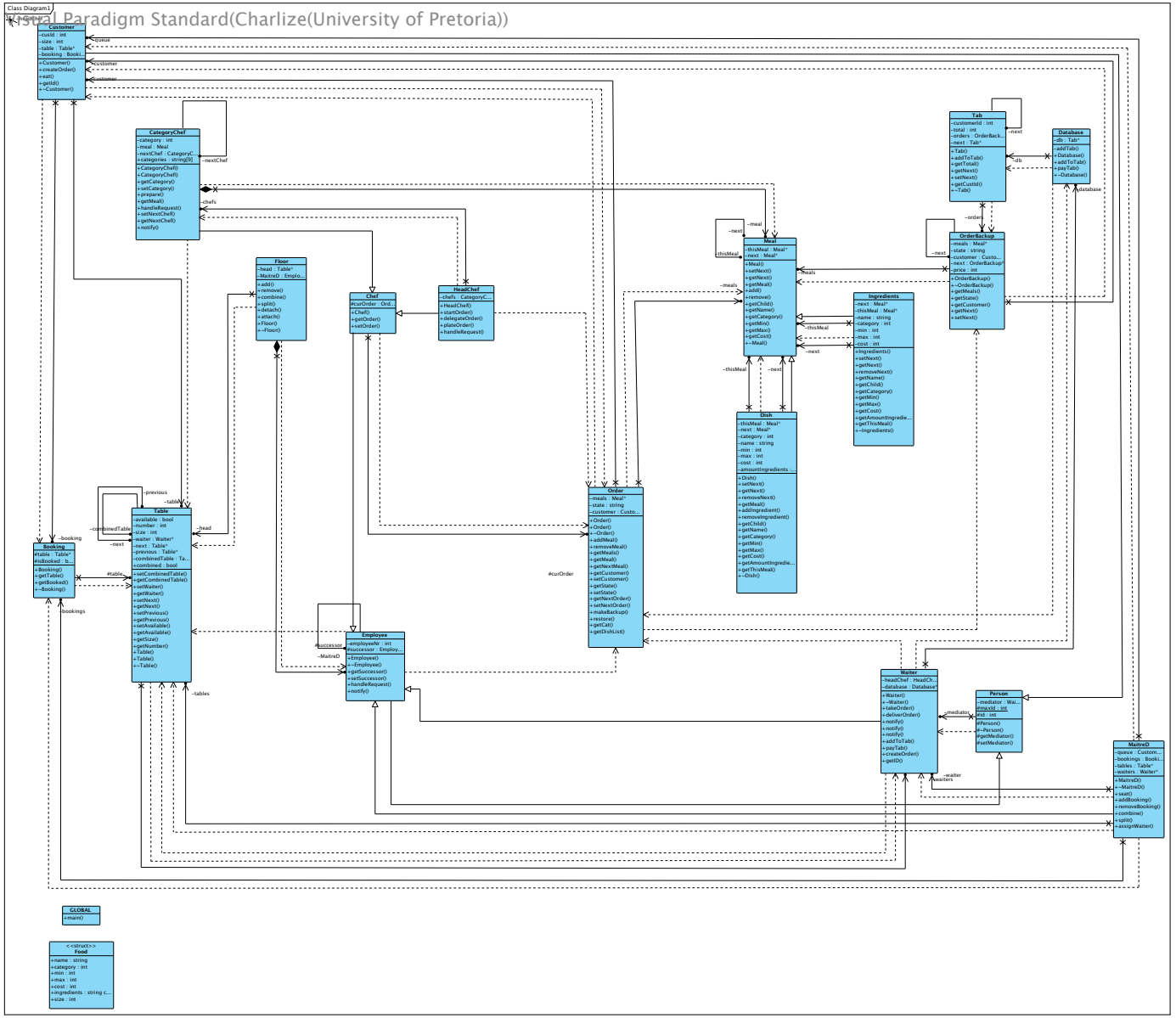
Class Diagram1
Visual Paradigm Standard(Charlize(University of Pretoria))
Customer
-custId : int
-size : int
-table : Table*
-booking : Booki...
+Customer()
+createOrder()
+seat()
+getId()
+~Customer()
CategoryChef
-category : int
-meal : Meal
-nextChef : CategoryC...
-categories : string[9]
+CategoryChef()
+CategoryChef()
+getCategory()
+setCategory()
+prepare()
+getMeal()
+handleRequest()
+setNextChef()
+getNextChef()
+notify()
Floor
-head : Table*
-MaitreD : Emplo...
+add()
+remove()
+combine()
+split()
+detach()
+attach()
+Floor()
+~Floor()
Chef
#curOrder : Ord...
+Chef()
+getOrder()
+setOrder()
HeadChef
-chefs : CategoryC...
+HeadChef()
+startOrder()
+delegateOrder()
+plateOrder()
+handleRequest()
Meal
-thisMeal : Meal*
-next : Meal*
+Meal()
+setNext()
+getNext()
+getMeal()
+add()
+remove()
+getChild()
+getName()
+getCategory()
+getMin()
+getMax()
+getCost()
+~Meal()
Tab
-customerId : int
-total : int
-orders : OrderBack...
-next : Tab*
+Tab()
+addToTab()
+getTotal()
+getNext()
+setNext()
+getCustId()
+~Tab()
Database
-db : Tab*
-addTab()
+Database()
+addToTab()
+payTab()
+~Database()
OrderBackup
-meals : Meal*
-state : string
-customer : Custo...
-next : OrderBackup*
-price : int
+OrderBackup()
+~OrderBackup()
+getMeals()
+getState()
+getCustomer()
+getNext()
+setNext()
Ingredients
-next : Meal*
-thisMeal : Meal*
-name : string
-category : int
-min : int
-max : int
-cost : int
+Ingredients()
+setNext()
+getNext()
+removeNext()
+getName()
+getChild()
+getCategory()
+getMin()
+getMax()
+getCost()
+getAmountingredie...
+getThisMeal()
+~Ingredients()
Dish
-thisMeal : Meal*
-next : Meal*
-category : int
-name : string
-min : int
-max : int
-cost : int
-amountingredients ...
+Dish()
+setNext()
+getNext()
+removeNext()
+getMeal()
+addIngredient()
+removeIngredient()
+getChild()
+getName()
+getCategory()
+getMin()
+getMax()
+getCost()
+getAmountingredie...
+getThisMeal()
+~Dish()
Order
-meals : Meal*
-state : string
-customer : Custo...
+Order()
+Order()
+~Order()
+addMeal()
+removeMeal()
+getMeals()
+getMeal()
+getNextMeal()
+getCustomer()
+setCustomer()
+getState()
+setState()
+getNextOrder()
+setNextOrder()
+makeBackup()
+restore()
+getCat()
+getDishList()
Table
-available : bool
-number : int
-size : int
-waiter : Waiter*
-next : Table*
-previous : Table*
-combinedTable : Ta...
-combined : bool
+setCombinedTable()
+getCombinedTable()
+setWaiter()
+getWaiter()
+setNext()
+getNext()
+setPrevious()
+getPrevious()
+setAvailable()
+getAvailable()
+getSize()
+getNumber()
+Table()
+Table()
+~Table()
Booking
#table : Table*
#isBooked : b...
+Booking()
+getTable()
+getBooked()
+~Booking()
Employee
-employeeNr : int
#successor : Employ...
+Employee()
+~Employee()
+getSuccessor()
+setSuccessor()
+handleRequest()
+notify()
Waiter
-headChef : HeadCh...
-database : Database*
+Waiter()
+~Waiter()
+takeOrder()
+deliverOrder()
+notify()
+notify()
+notify()
+addToTab()
+payTab()
+createOrder()
+getID()
Person
-mediator : Wai...
#maxId : int
#id : int
#Person()
#~Person()
#getMediator()
#setMediator()
MaitreD
-queue : Custom...
-bookings : Booki...
-tables : Table*
-waiters : Waiter*
+MaitreD()
+~MaitreD()
+seat()
+addBooking()
+removeBooking()
+combine()
+split()
+assignWaiter()
GLOBAL
+main()
<<struct>>
Food
+name : string
+category : int
+min : int
+max : int
+cost : int
+ingredients : string c...
+size : int
-queue
-customer
-nextChef
-chefs
-meal
-next
-thisMeal
-meals
-orders
-database
-db
-table
-previous
-combinedTable
-head
-booking
#table
-bookings
-tables
#curOrder
#successor
-MaitreD
-mediator
-waiter
-waiters