**Classes and Associations**

**Classes**

Appetizer - A food or drink served usually before an entree

Card Payment - A typical payment made using credit or debit card.

Cash Payment - A typical payment made using cash only.

Chef - A person who cooks in a restaurant.

ChopSuey - A Chinese-style dish of meat stewed and fried with vegetables served with rice.

ChowMein - a Chinese-style dish of fried noodles with shredded meat or seafood and vegetables.

Corporation - A significant group of people part of an organization that purchases food.

Customer - A patron of the restaurant.

Dishwasher - A Person in charge of cleaning plates and utensils of a restaurant for customers use.

DishWasherBonus - Extra money added to salary due to good performance.

EatInOrder - An order that is made for a customer to eat at the restaurant.

EggFooYoung - an omelette dish containing onions, celery, and chopped meat or fish.

Employee - A person employed by a company for wages or salary, especially at a nonexecutive level.

EmployeeOfTheMonth - A person employed by a company that receives recognition of accomplishments for that current month.

FoodExpertise - A SousChef which is considered as an expert at a menu item.

FullTimeEmployee - A person who is employed by a company that receives forty plus hours a week and full benefits.

HeadChef- A person employed who designs new recipes and overseas all other cooks.

HeadChefRecieps - A food item created by a chef.

Known - recognized, familiar, or within the scope of knowledge.

LineCook - A person who works in a station in a kitchen at a restaurant.

LineCookingStation - A unique location in a kitchen where a cook can work to create specialty items.

Maitre d’ - the person in a restaurant who oversees the waitpersons and busboys, and who typically handles reservations.

Manager - A person employed that is in charge of the restaurant when the owner is not there.

Meat - the name of the specific flesh of an animal that is consumable for a person.

Menu - A list of dishes available in a restaurant.

Miming Payment - A unique money that is used in our restaurant.

MenuItem - A specific item that is available in a restaurant.

MenuItemSize - The association between Menu and MenuItem which contains the size and price of a unique item in the menu.

Order - A combination of tables, seats, and menu items that make up an individual ticket.

OrderDetails - A descriptive description of the menu items that a customer has purchased.

PartTimeEmployee - A person who is employed by a company that works minimum hours, and does not receive any benefits..

Personal - A known, individual customer (not a corporate account)

PhoneOrder - An order that has been placed over the phone.

Private - A customer that pays in cash or card and does not have to give us any personal information.

Soup: a liquid dish, typically made by boiling meat, fish, or vegetables, etc., in stock or water.

SousChef - An employed person who works hands on and is an expert in a certain dish.

SousMentorship - A chef who is training another chef to prepare a certain menu item under their supervision.

Station - A place in a kitchen at a restaurant where cooks work on a speciality food preparation.

SeatingTable - A place where customers are assigned to sit and enjoy their meal.

Unknown - not known or familiar.

WaiterBonus - Money given to a server every month for their work.

WaiterTips - Money that is given to a server by the customer once they have received the complete service.

Waitertable - A specific table that a person brings food to for income.

WebOrder - An order that was placed via the internet or an application online.

WorkSchedule - The days and hours an employee is assigned to work on a weekly or biweekly agenda.

WorkShift - A section schedule used to organize employee hours.

**Associations**

Category Associations:

A SousChef is a Chef

A HeadChef is a Chef

A LineCook is a Chef

A Chef may either be a SousChef, HeadChef, or a LineCook

chef is a FullTimeEmployee

Manager is a FullTimeEmployee

A FullTimeEmployee MAY be a Chef or a Manager but not both

FullTimeEmployee is an Employee

PartTimeEmployee is an Employee

An Employee may be a FullTimeEmployee or a PartTimeEmployee but not both

Waiter is a ParTimeEmployee.

MaitreD is a PartTimeEmployee.

Dishwasher is a PartTimeEmployee.

A PartTimeEmployee MAY be ONE of Waiter, MaitreD, or Dishwasher.

ChowMein is a MenuItem.

EggFooYoung is a MenuItem.

ChopSuey is a MenuItem.

MeatEntree is a MenuItem.

Soup is a MenuItem.

Appetizer is a MenuItem.

A MenuItem CAN be any combination of the following: ChowMein, EggFooYoung, ChopSuey, MeatEntree, Soup, or Appetizer.

WebOrder is an Order.

PhoneOrder is an Order.

EatInOrder is an Order.

An Order MAY be ONE of a WebOrder, PhoneOrder, or EatInOrder.

known is a customer

A Customer may be known

Corporation is a known Customer.

Personal is a known Customer

A known customer must be Personal or a Corporation.

Cash is an Order.

CardPayment is an Order.

A Order MAY or may NOT be Cash or CardPayment but not both.

Many-to-many Associations:

One Employee works one to many WorkSchedule.

A WorkSchedule is tied to one and only one Employee.

One WorkShift is part of one to many WorkSchedule.

One WorkSchedule is part of one and only one WorkShift.

One WorkShift is part of one to many Tables.

One Table is part of one to many WorkShifts.

One MenuItem serves one to many MenuItemSize.

One MenuItemSize is served on one and only one MenuItem.

One Order contains one to many OrderDetails.

One OrderDetails contains one and only one Order.

One MenuItemSize contains one to many OrderDetails.

One OrderDetails contains one and only one MenuItemSize.

One LineCook staffs one to many cooking Stations.

One line cooking stations is staffed by one and only one LineCook.

One Station is staffed by many line cooking stations.

One line cooking station staffs one and only one Station

One SousChef joins zero to many Mentorships.

One SousMentorship is joined by one and only one SousChef.

One Expertise mentors zero to many SousMentorships.

One SousMentorship is mentored by one and only one FoodExpertise.

One WorkSchedule has one to many SeatingTables.

One SeatingTable has one and only one EatInOrder.

One EatInOrder has one and only one SeatingTable.

One Waiter waits one to many SeatingTables.

One SeatingTable is waited by one and only one Waiter.

Other Associations:

One WorkShiftType details one and only one WorkShift.

One WorkShift is details by one and only one WorkShiftType.

One Customer places one to many Orders.

One Order is placed by one and only one Customer.

One Order is paid by one to many Payment.

One Payment is paid by one and only Order.

One HeadChef develops one to many HeadChefRecipes.

One HeadChefRecipe is developed by one and only one HeadChef.

One SousChef is mentored by zero to many SousMentorships.

A SousMentorship can only mentor one and only one SousChef.

A Dishwasher can receive many DishWasherBonus.

A DishWasherBonus is received by one and only one Dishwasher.

One SeatingTable serves one and only one EatInOrders.

One EatInOrders is served by one and only one SeatingTable.

One Customer owns one and only one MimingsPayment

One Mimingspayment is owned by one and only one Customer.

One Waiter can receive one to many WaiterTips.

One WaiterTips can be received to one and only one Waiter.