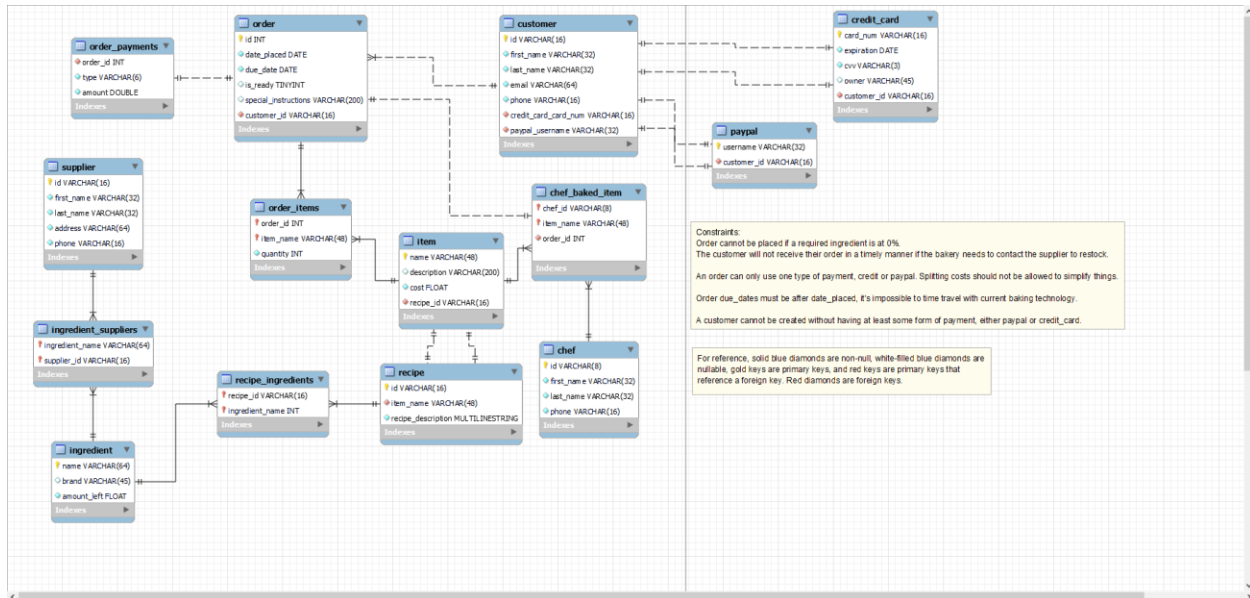


E-R Diagram (Full size picture in same directory as PDF)



Relational Schema:

chef(id, first_name, last_name, phone)

chef_baked_items(chef, item, order)

credit_card(card_num, expiration, cvv, owner)

customer(id, first_name, last_name, email, phone, credit_card, paypal)

ingredient(name, brand, amount_left)

ingredient_suppliers(ingredient, supplier)

item(name, description, cost, recipe)

order(order_id, date_placed, due_date, is_ready, special_instructions, customer)

order_items(order, item, quantity)

order_payments(order, type, amount)

paypal(username, owner)

recipe(id, name, description)

recipe_ingredients(recipe, ingredient)

supplier(id, first_name, last_name, address, phone)

Constraints:

Ingredient.amount_left > quantity needed, implemented in java portion

Due_date > date_placed

Order_payments amount is positive

The following columns are unique:

Credit_card.card_num

Paypal.username

Customer.email, customer.phone

Ingredient.name

Supplier.phone