I’m trying to draw a diagram for the following problem statement. I need to create the function in JavaScript and call it in an HTML file.

“An invoice consists of a customer, a list of line items, and a date of purchase. Customers have contact names, addresses, telephone numbers, and an internal customer ID. Line items consist of an item and a quantity. Items have a description and a price.”

For each object identified in the above, write a constructor. Also, create two *methods* that act on invoices. One should be addLineItem that adds a line item to an existing invoice. The other should calculateTotal that determines the total billing price of the invoice.

Here is what I have so far:

**function** invoice(customer, lineItems, dateOfPurchase){

**this**.customer = customer;

**this**.lineItems = lineItems;

**this**.dateOfPurchase = dateOfPurchase;

}

customer = contact names("Mike");

customer = address(1234 main st);

customer = telephone number (222-111-3333);

custimer = internal id (12345);