

## 2. The Invoice Database:

You are building a database for an apparel company that sell designer clothes and accessories to clothing stores. The requirements are listed below:

- An invoice is written by a single sales representative (SALESREP). Each salesrep can write many invoices.
- Each customer can have many invoices. An invoice **must** have a customer on it.
- An invoice includes one to many detail line items (LINE). A line item describes one product sold to the customer and its quantity. (Several products can be included in one invoice.)  
----one invoice can have many line items; it is 1D dependent thus solid line
- Each product must have one vendor, and each vendor may supply several products. Some vendors' data is still needed even the vendor does not sell any products to your company.

--- Each line item describes one product

--- If there is a product, there can be many or zero line item

--- dash lined

--- Each vendor can sell you one product

--- || is usually the parent entity

--- the many part is usually child entity

--- A sales rep can write 0 or many invoices

- An ID is needed for each entity. Data needed in the database includes (separate the attributes into smaller attributes when appropriate): (*to name the attributes*)
  - A sales representative's first name and last name,
  - A customer's store name, address, and phone number
  - A vendor's name, address, and phone number
  - Invoice total amount, date
  - A product's name and description

Paste Your Answer Diagram Here:

