Introduction: In our project we have shop branches as sites and shop owner as server. The tables are in site. At sites the site admins can add products to the inventory and sell products and in server the admin can add or remove employees or see top grossing products at a site or give discounts.
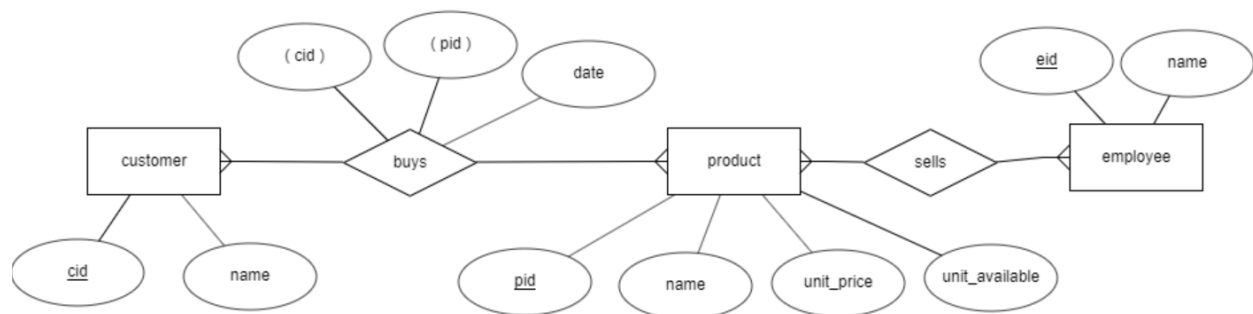
Tables: Employee (<u>eid</u>, ename)

Product (<u>pid</u>, pname, unit_available, unit_price)

Customer (<u>cid</u>, cname)

Records (cid, pid, amount, price, purchase_date)

Entity Relationship Diagram:

Procedures:

At Site –

add_product : This procedure takes the attribute values of product table as parameters and inserts then into the table.

sell_product : This procedure takes in product id, customer id, customer name, product amount and current date as parameters. If the customer is new then the customer first is added to the customer table. Then all the information is inserted into the records table.

At Server –

add_emploiyee : This procedure takes the attribute values of employee table as parameters and inserts then into the table.

remove_employee : This procedure takes the id of an employee as parameters and deletes the record from employee table.

Functions:

At site –

get_total_sell_of_a_date : This function takes input a date and returns the sum of price from records table for that date.

At server –

get_top_grossing_product : This function returns the name of the most sold item for a site.