Conceptual Modeling

Optimizing E-commerce in FMCG Supply Chain & Inventory Management

EER AND UML

Group 22

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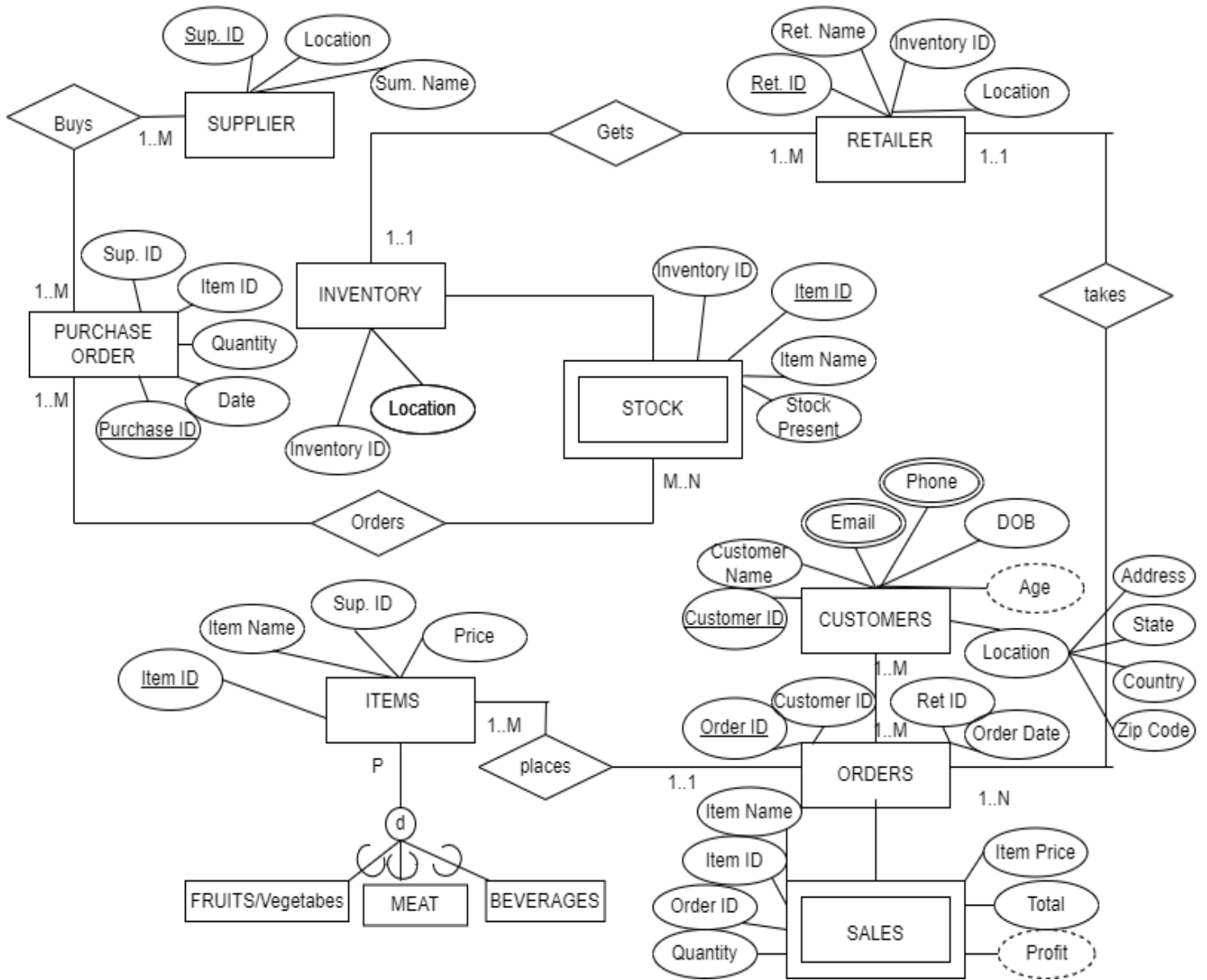+1 (669)222-9587 – Sai Koushik
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EER

UML

Customer
- -Customer_ID: Integer
- -Name: String
- -Location: String
- -Date of Birth: Domain Date
- -Race:String
- -Contact no: Integer
- -Email: Integer

+ getCustomer_ID
+ setCustomer_ID
...

1:*

1:*
Orders
1:*

ITEM
- -Item_ID: Integer
- -Item_Price: Integer
- -Item_Name: String

+ getItem_ID
+ setItem_ID
...

1:*   Places   1

{partial;disjoint}

Meat
...

Fruits
...

Beverages
...

Orders
- -Order_ID: Integer
- -Customer_ID: Integer
- -Time: DateTimeDomain

+ getOrder_ID
+ setOrder_ID
...

1:*   takes   1

ORDER_ID

Sales
- -Item_ID: Integer
- -Item_Name: String
- -Quantity: Integer
- -\Total: Integer
- -\Profit: Integer

+ getOrder_ID
+ setOrder_ID
...

Retailer
- -Retailer_ID: Integer
- -Retailer_Name: String
- -Location: String

+ getRetailer_ID
+ setRetailer_ID
...

1:*

gets

1

Inventory
- -Inventory_ID: Integer
- -Inventory_Location: Integer

+ getInventory_ID
+ setInventory_ID
...

Inventory_ID

Stock
- -Item_ID: Integer
- -Stock_Level:Integer
- -Time: DateTimeDomain

+ getOrder_ID
+ setOrder_ID
...

1:*

Supplier
- -Customer_ID: Integer
- -Customer_ID: Integer
- -Time: DateTimeDomain

+ getOrder_ID
+ setOrder_ID
...

1:*   buys   1:*

Purchase_Order
- -Customer_ID: Integer
- -Customer_ID: Integer
- -Time: DateTimeDomain

+ getOrder_ID
+ setOrder_ID
...

1:*   orders