

III. Relational Model

Primary Key- Underlined Foreign Key- Italicized

Customers(CustomerID, CustomerName, *location_id*)

Foreign key location_id refers to locationid in locations; Null Not allowed

Customer_contacts(customer_id, contact_type, contact_info)

Location(location_id, city, state, zip)

Inventory(Inventory_id, name, *location_id*)

Foreign key location_id refers to locationid in locations; Null Not allowed

Inventory_stocks(*Inventory_id*, product_id, quantity)

Foreign key Inventory_id refers to Inventoryid in Inventories; Null Not allowed

Products(Product_id, product_name, actual_price, selling_price, expiry_date)

Suppliers (Supplier_id, supplier_name, *location_id*)

FOREIGN KEY location_id refers to location_id in Locations Table; Null Not allowed

Supplies (*supplier_id*, *product_id*)

FOREIGN KEY product_id refers to product_id in Products Table; Null Not Allowed

FOREIGN KEY supplier_id refers to supplier_id in Suppliers Table; Null Not allowed

Purchase_orders (*purchase_id*, *supplier_id*, *product_id*, purchase_quantity, unit_price, order_date, delivery_date)

FOREIGN KEY product_id refers to product_id in Products Table; Null Not allowed

FOREIGN KEY supplier_id refers to supplier_id in Supplier Table; Null Not allowed

Orders (order_id, *inventory_id*, order_date, *product_id*, selling_price, quantity_ordered)

FOREIGN KEY product_id refers to product_id in Products Table; Null Not allowed

FOREIGN KEY inventory_id refers to inventory_id in Inventory Table; Null Not allowed

Customer_orders (*order_id*, *customer_id*)

FOREIGN KEY order_id refers to order_id in orders Table; Null Not allowed

FOREIGN KEY customer_id refers to customers in Products Table; Null Not allowed