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Business Intelligence and Data Analytics

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**Company Introduction:**

Food Basket is a family-owned grocery store in the city of Miami, FL. The grocer stocks 15 products and sources these products from 12 different suppliers. Customers of Food Basket are able to and often order the same products multiple times, which are reflected as different customer orders in the database.

The team members responsible for the completion of this Food Basket database are Christian Thompson, Vijay Friedman, and Oliver Hanson.

In terms of the database structure, the Customers table contains the following fields:

* **Customer ID** - A unique number that’s assigned to each customer at Food Basket. This field is also the primary key of this table.
* **First Name** - The first name of a customer at Food Basket.
* **Last Name** - The last name of a customer at Food Basket.
* **Phone Number** - The phone number of a customer at Food Basket.
* **Email Address** - The email address of a customer at Food Basket.

The Customer Orders table contains the following fields:

* **Order ID** - A unique number that’s assigned to each order at Food Basket. This field is also the primary key of this table.
* **Customer ID** - A unique number that’s assigned to each customer at Food Basket. This field is also a foreign key in this table. It links to the Customer ID primary key in the Customers table.
* **Total Amount** - The total cost for each order at Food Basket.

The Suppliers table contains the following fields:

* **Supplier ID** - A unique number that’s assigned to each supplier for Food Basket. This field is also the primary key of this table.
* **Name** - The name of each supplier for Food Basket.

The Products table contains the following fields:

* **Product ID** - A unique number that’s assigned to each product at Food Basket. This field is also the primary key of this table.
* **Name** - The name of each product at Food Basket.
* **Supplier ID** - A unique number that’s assigned to each supplier for Food Basket. This field is also a foreign key in this table. It links to the Supplier ID primary key in the Suppliers table.
* **In Stock** - Displays a “Y” or “N” to indicate whether a particular product is in stock. A “Y” indicates yes and a “N” indicates no.
* **Unit Price** - Lists the price of each product sold at Food Basket.

The Order Line Items table contains the following fields:

* **Order Line ID** - A unique number that’s assigned to each order line item at Food Basket. This field is also the primary key of this table.
* **Order ID** - A unique number that’s assigned to each order at Food Basket. This field is also a foreign key in this table. It links to the Order ID primary key in the Customer Orders table.
* **Product ID** - A unique number that’s assigned to each product at Food Basket. This field is also a foreign key in this table. It links to the Product ID primary key in the Products table.
* **Order Quantity** - The total quantity of a particular item bought in an order at Food Basket.
* **Line Total** - The total cost for an item in a particular quantity in an order at Food Basket.

Located below is the Database design for Food Basket:

**Products:**

Product ID (PK)

Name

Supplier ID (FK)

In Stock

Unit Price

M

**Order Line Items:**

Order Line ID (PK)

Order ID (FK)

Product ID (FK)

Order Quantity

Line Total

**Customers:**

Customer ID (PK)

First Name

Last Name

Phone Number

Customer Email

**Customer Orders:**

Order ID (PK)

Customer ID (FK)

Total Amount

**Suppliers:**

Supplier ID (PK)

Name

Database for Food Basket

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M

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