

ORDER MANAGEMENT

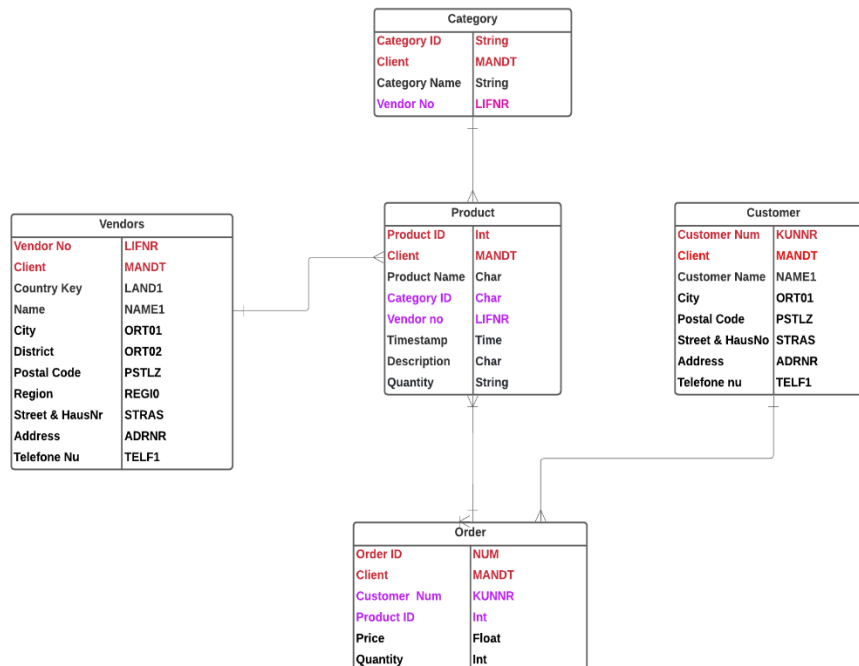
1. INTRODUCTION

My project is Sales-Order management where I can take products from multiple vendors and sell them to customers. With my project a customer can place multiple orders from the existing product list. If the customer is placing an order for the first time, then one can add his details in the customer's table. Similarly, as a product manager one can add products based on its category and edit product details, based on the vendor supplying the products. The administrator can keep track of order history, to look up past order details. Finally, vendors can update the quantity of products they can supply to customers.

2. List of Tables

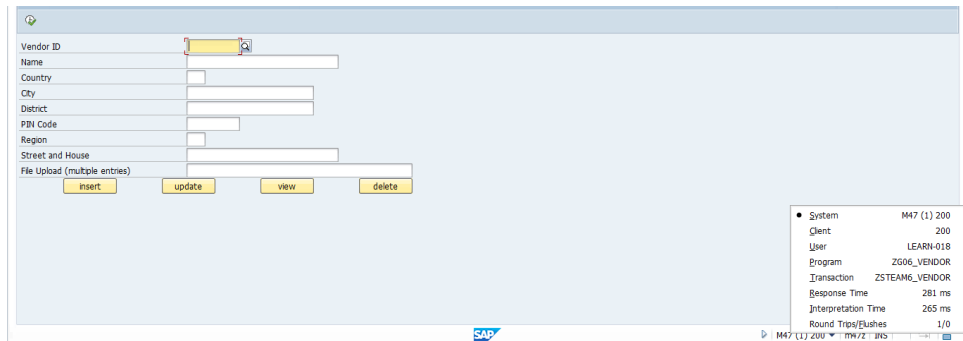
List of tables in my project ER diagram:

- Product - keeping inventory of available products. The products are assigned categories, multiple products under a single category.
- Category - listing multiple range of categories provided by vendors. A vendor can provide multiple categories of products.
- Vendor – list of possible product distributors and recorded supplies.
- Customer – list of existing customers, part of the enterprise. Each customer has a unique ID.
- Order – list of orders placed by customers, ordering a set of products, and receiving order details, order ID and total amount to be paid.



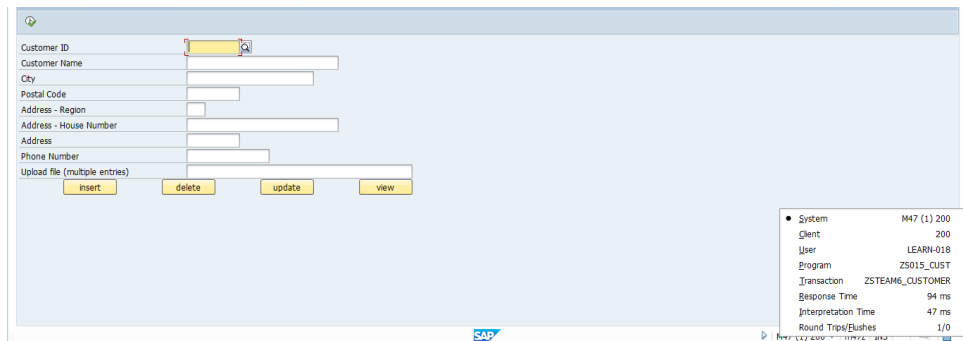
3. Selection Screens

a. VENDORS



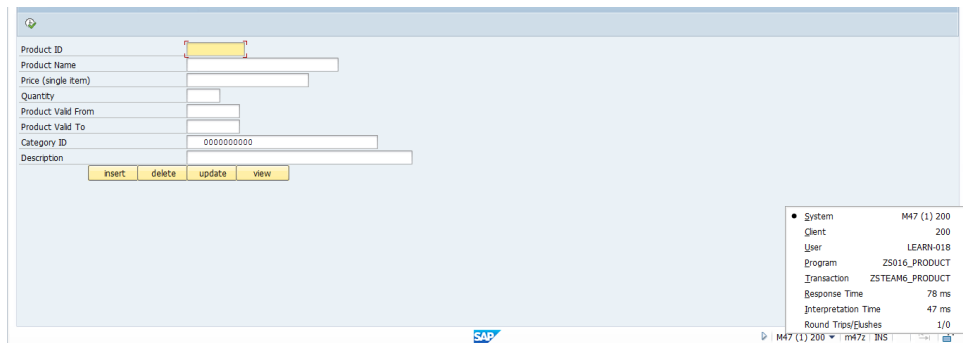
SAP Selection Screen for Vendors. The screen displays input fields for Vendor ID, Name, Country, City, District, PIN Code, Region, Street and House, and File Upload (multiple entries). Below the fields are buttons for insert, update, view, and delete. A status bar at the bottom right shows system information: System M47 (1) 200, Client 200, User LEARN-018, Program ZG06_VENDOR, Transaction ZSTEAM6_VENDOR, Response Time 281 ms, Interpretation Time 265 ms, Round Trips/Flashes 1/0.

b. CUSTOMER



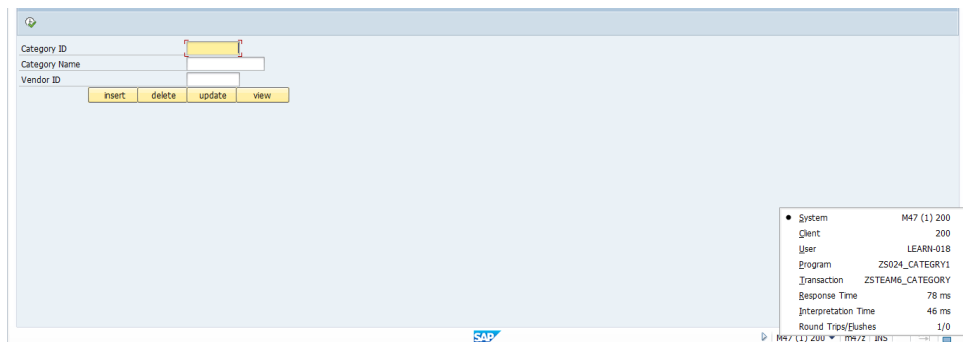
SAP Selection Screen for Customer. The screen displays input fields for Customer ID, Customer Name, City, Postal Code, Address - Region, Address - House Number, Address, Phone Number, and Upload file (multiple entries). Below the fields are buttons for insert, delete, update, and view. A status bar at the bottom right shows system information: System M47 (1) 200, Client 200, User LEARN-018, Program ZS015_CUST, Transaction ZSTEAM6_CUSTOMER, Response Time 94 ms, Interpretation Time 47 ms, Round Trips/Flashes 1/0.

c. PRODUCT



SAP Selection Screen for Product. The screen displays input fields for Product ID, Product Name, Price (single item), Quantity, Product Valid From, Product Valid To, Category ID, and Description. Below the fields are buttons for insert, delete, update, and view. A status bar at the bottom right shows system information: System M47 (1) 200, Client 200, User LEARN-018, Program ZS016_PRODUCT, Transaction ZSTEAM6_PRODUCT, Response Time 78 ms, Interpretation Time 47 ms, Round Trips/Flashes 1/0.

d. CATEGORY



SAP Selection Screen for Category. The screen displays input fields for Category ID, Category Name, and Vendor ID. Below the fields are buttons for insert, delete, update, and view. A status bar at the bottom right shows system information: System M47 (1) 200, Client 200, User LEARN-018, Program ZS024_CATEGORY1, Transaction ZSTEAM6_CATEGORY, Response Time 78 ms, Interpretation Time 46 ms, Round Trips/Flashes 1/0.

e. ORDER

Order ID

Product ID

Total Price

Customer ID

Upload file (multiple entries)

System M47 (1) 200
Client 200
User LEARN-018
Program ZS016_GROUPS_ORDER1
Transaction ZSTEAM6_ORDER
Response Time 78 ms
Interpretation Time 31 ms
Round Trips/Flushes 1/0

4. T-CODE LIST

I have created below T-codes for CRUD operations on all the tables.

- ZSTEAM6_VENDOR - Vendors
- ZSTEAM6_CUSTOMER - Customers
- ZSTEAM6_CATEGORY - Category
- ZSTEAM6_PRODUCT - Product
- ZSTEAM6_ORDER - Order

5. Database Tables

ZS015_CUST

The customer table is referred to in the order table. A search help is implemented on the Customer_ID.

Unique IDs – Client, Customer_ID

Input Help/Check - Customer_ID

Transparent Table

ZS015_CUST

Active

Short Description

final customer table

Attributes


Delivery and Maintenance


Fields

Input Help/Check

Currency/Quantity Fields

Indexes







Search

Built-In Type

1 / 9

Field	Key	In...	Data element	Data Type	Length	Deci...	Coordinate	Short Description	Group
CLIENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	0	Client	
CUSTOMER_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	KUNNR	CHAR	10	0	0	Customer Number	
CUSTOMER_NAME	<input type="checkbox"/>	<input type="checkbox"/>	NAME1	CHAR	30	0	0	Name	
CITY	<input type="checkbox"/>	<input type="checkbox"/>	ORT01	CHAR	25	0	0	City	
POSTAL_CODE	<input type="checkbox"/>	<input type="checkbox"/>	PSILZ	CHAR	10	0	0	Postal Code	
REGION	<input type="checkbox"/>	<input type="checkbox"/>	REGIO	CHAR	3	0	0	Region (State, Province, County)	
STREET HOUSE NO	<input type="checkbox"/>	<input type="checkbox"/>	STRAS	CHAR	30	0	0	Street and House Number	
ADDRESS	<input type="checkbox"/>	<input type="checkbox"/>	ADRNR	CHAR	10	0	0	Address	
TELEPHONE_NO	<input type="checkbox"/>	<input type="checkbox"/>	TELF1	CHAR	16	0	0	First telephone number	

ZGROUP6_ORDERTRY

The ORDERTRY table stores information of all the orders processed. The PRODUCTS table and CUSTOMER table is referred to in this table.

Unique IDs – Client, ID

Foreign Keys – Product_ID, Customer_ID

Input Help/Check - Customer_ID

Transparent Table

ZGROUP6_ORDERTRY

Active

Short Description

final order table

Attributes


Delivery and Maintenance


Fields


Input Help/Check

Currency/Quantity Fields

Indexes





 Search

Built-In Type

1 / 10

Field	Key	Inl...	Data element	Data Type	Length	Deci...	Coordinate	Short Description
CLIENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	0	Client
ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ZG6_ORDER_ID	NUMC	10	0	0	Order ID
PRODUCT_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ZG6_PRODUCT_ID	INT4	10	0	0	PRODUCT ID
QUANTITY	<input type="checkbox"/>	<input type="checkbox"/>	ZG6_QUANTITY	NUMC	2	0	0	Product Quantity
PRODUCT_PRICE	<input type="checkbox"/>	<input type="checkbox"/>	ZG6_PRODUCT_PRI...	DF16_DEC	6	2	0	Product Price
PRODUCT_FINAL_P...	<input type="checkbox"/>	<input type="checkbox"/>	ZG6_PROD_PRICE	DF16_DEC	6	2	0	Price of product with quantity
PRODUCT_COUNT	<input type="checkbox"/>	<input type="checkbox"/>	ZG6_PROD_COUNT	NUMC	2	0	0	Number of Products
TOTAL_PRICE	<input type="checkbox"/>	<input type="checkbox"/>	ZG6_TOTAL_PRICE	DF16_DEC	6	2	0	Total Price
CUSTOMER_ID	<input type="checkbox"/>	<input type="checkbox"/>	KUNNR	CHAR	10	0	0	Customer Number

Transparent Table

ZGROUP6_ORDERTRY

Active

Short Description

final order table

Attributes


Delivery and Maintenance


Fields

Input Help/Check

Currency/Quantity Fields

Indexes



 Search Help

1 / 10

Field	Data element	Data T...	Foreign ...	Check table	Origin of Input Help	Srch Help	Fl...	Domain
CLIENT	MANDT	CLNT	<input type="checkbox"/>				<input type="checkbox"/>	MANDT
ID	ZG6_ORDER_ID	NUMC	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_ORDER_ID
PRODUCT_ID	ZG6_PRODUCT_ID	INT4	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_ID
QUANTITY	ZG6_QUANTITY	NUMC	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_QUANTITY
PRODUCT_PRICE	ZG6_PRODUCT_PRI...	D16D	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_PRI...
PRODUCT_FINAL_P...	ZG6_PROD_PRICE	D16D	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PROD_PRICE
PRODUCT_COUNT	ZG6_PROD_COUNT	NUMC	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PROD_COUNT
TOTAL_PRICE	ZG6_TOTAL_PRICE	D16D	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_TOTAL_PRICE
CUSTOMER_ID	KUNNR	CHAR	<input checked="" type="checkbox"/>	ZS015_CUST1	Input help implemented with c...		<input type="checkbox"/>	KUNNR

ZGROUP6_CATE

The CATE table stores the categories of products. This table is referred to in PRODUCTS table and ORDERTRY table. The VEND table is referred in this table

Unique IDs – Client , Category_ID

Foreign Key/s - Vendor_ID

Input Help/Check - Vendor_ID

Transparent Table **ZGROUP6_CATE** Active
Short Description FINAL CATREGORY TABLE

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields Indexes

1 / 4

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Coordinate	Short Description	Group
CLIENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0		0 Client	
CATEGORY_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ZG6_CATEGORY_ID	NUMC	10	0		0 Category ID	
CATEGORY_NAME	<input type="checkbox"/>	<input type="checkbox"/>	ZG6_CATEGORY_NA...	CHAR	15	0		0 Category Name	
VENDOR_ID	<input type="checkbox"/>	<input type="checkbox"/>	LIFNR	CHAR	10	0		0 Account Number of Vendor or Creditor	

Transparent Table **ZGROUP6_CATE** Active
Short Description FINAL CATREGORY TABLE

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields Indexes

1 / 4

Search Help

Field	Data element	Data T...	Foreign ...	Check table	Origin of Input Help	Srch Help	Fi...	Domain
CLIENT	MANDT	CLNT	<input type="checkbox"/>				<input type="checkbox"/>	MANDT
CATEGORY_ID	ZG6_CATEGORY_ID	NUMC	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_CATEGORY_ID
CATEGORY_NAME	ZG6_CATEGORY_NA...	CHAR	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_CATEGORY_NA...
VENDOR_ID	LIFNR	CHAR	<input checked="" type="checkbox"/>	ZGROUP6_VEND	Input help implemented with c...		<input type="checkbox"/>	LIFNR

ZGROUP6_PRODUCTS

The PRODUCTS table lists the product information and identifies each product

By a unique ID. This table is referred to ORDERTRY table. And the CATE table is referred in this table.

Unique ID/s - Client , ID

Foreign Key/s - Category_ID

Input Help/Check - Category_ID

Transparent Table

ZGROUP6_PRODUCTS

Active

Short Description

final product table

Attributes

Delivery and Maintenance

Fields

Input Help/Check

Currency/Quantity Fields

Indexes

</

Transparent Table

ZGROUP6_PRODUCTS

Active

Short Description

final product table

Attributes


Delivery and Maintenance


Fields

Input Help/Check

Currency/Quantity Fields

Indexes



 Search Help

1 / 9

Field	Data element	Data T...	Foreign ...	Check table	Origin of Input Help	Srch Help	Fl...	Domain
CLIENT	MANDT	CLNT	<input type="checkbox"/>				<input type="checkbox"/>	MANDT
ID	ZG6_PRODUCT_ID	INT4	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_ID
NAME	ZG6_PRODUCT_NAME	CHAR	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_NAME
PRICE	ZG6_PRODUCT_PRI...	D16D	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_PRI...
QUANTITY	ZG6_PRODUCT_QUA...	INT2	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_QUA...
VALID_FROM	ZG6_PRODUCT_VAL...	DATN	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_VAL...
VALID_TO	ZG6_PRODUCT_VAL...	DATN	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_VAL...
DESCRIPTION	ZG6_PRODUCT_DESC	CHAR	<input type="checkbox"/>				<input type="checkbox"/>	ZG6_PRODUCT_DESC
CATEGORY_ID	ZG6_CATEGORY_ID	NUMC	<input checked="" type="checkbox"/>	ZGROUP6 CATE	Input help implemented with c...		<input type="checkbox"/>	ZG6_CATEGORY_ID

ZGROUP6_VEND

The VEND table lists the vendor information and each vendor is identified by a unique **VENDOR_ID**. This table is referred to in **PRODUCTS** table. A search help is implemented on **VENDOR_ID**.

Unique ID/s - Client , Vendor_ID

Input Help/Check - Vendor_ID

Transparent Table

ZGROUP6_VEND

Active

Short Description

final vendor table

Attributes

Delivery and Maintenance

Fields

Input Help/Check

Currency/Quantity Fields

Indexes

Search

Built-In Type

1 / 11

Field	Key	Inl...	Data element	Data Type	Length	Deci...	Coordinate	Short Description	Group
CLIENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0		0 Client	
VENDOR_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LIFNR	CHAR	10	0		0 Account Number of Vendor or Creditor	
VENDOR_NAME	<input type="checkbox"/>	<input type="checkbox"/>	NAME1	CHAR	30	0		0 Name	
COUNTRY	<input type="checkbox"/>	<input type="checkbox"/>	LAND1	CHAR	3	0		0 Country Key	
CITY	<input type="checkbox"/>	<input type="checkbox"/>	ORT01	CHAR	25	0		0 City	
DISTRICT	<input type="checkbox"/>	<input type="checkbox"/>	ORT02	CHAR	25	0		0 District	
PCODE	<input type="checkbox"/>	<input type="checkbox"/>	POSTL2	CHAR	10	0		0 Postal Code	
REGION	<input type="checkbox"/>	<input type="checkbox"/>	REGIO	CHAR	3	0		0 Region (State, Province, County)	
STREET_HOUSE	<input type="checkbox"/>	<input type="checkbox"/>	STRAS	CHAR	30	0		0 Street and House Number	
ADDRESS	<input type="checkbox"/>	<input type="checkbox"/>	ADRNR	CHAR	10	0		0 Address	
TELEPHONE_NUMBER	<input type="checkbox"/>	<input type="checkbox"/>	TELF1	CHAR	16	0		0 First telephone number	

6. Search Helps

[illegible][illegible]

7. Number Range

Number Range Object ZSQ_TEAM6: Display

Short Txt: Order Management
Long Txt: Order Management Number Range
Pack: SZSGRO0P6

Intervals Customizing

Number Length Domain: NUMC4
% Warning: 10.0

☐ To-business year flag
☐ No rolling
☐ Prefix

Edit Intervals: Order Management, Object ZSQ_TEAM6

Number Range Object Order Management

Number Range Number	From Number	To Number	Number Range Status	External
01	0001	1000	1	