Online Retail Store System Database Schema:

Link to the schema (drawDB):

https://www.drawdb.app/editor?shareId=683c7d541c9c0556bd4383e56f173f9c

Tables:

1) Customer_details:
Table Structure

Column Name	Data Type	Constraints
cust_id	integer	PK, Auto Increment, Not Null, Unique
cust_name	char	Not Null
cust_email	varchar	Not Null
cust_address	varchar	Not Null
cust_ltpoints	integer	Not Null
payment_method	char	Not Null

Foreign Key Relationships:

None

2)Orders_details:
Table Structure

Column Name	Data Type	Constraints
prod_id	integer	PK, Auto Increment, Not Null, Unique
prod_name	varchar	Not Null
prod_detail	char	Not Null

Column Name	Data Type	Constraints
prod_price	float	Not Null
prod_stck	integer	Not Null
prod_ctgy	char	Not Null

Foreign Key Relationships:

None

3)Orders:
Table Structure

Column Name	Data Type	Constraints
ord_id	integer	PK, Auto Increment, Not Null, Unique
ord_date	datetime	Not Null
ord_stus	char	Not Null
ord_pymt_mthd	char	Not Null

Foreign Key Relationships:

None

4)Suppliers:
Table Structure

Column Name	Data Type	Constraints
sply_id	integer	PK, Auto Increment, Not Null, Unique
sply_name	char	Not Null
sply_contct	numeric	Not Null
sply_prod_id	integer	Not Null

Foreign Key Relationships:

Foreign Key Name	Column	References
fk_Products_details_prod_id_Suppliers	sply_prod_id	Orders_details(prod_id)

5)Promotion:
Table Structure

Column Name	Data Type	Constraints
prom_id	integer	PK, Auto Increment, Not Null, Unique
prom_dscp	char	Not Null
prom_start	datetime	Not Null
prom_end	datetime	Not Null
prom_discnt	float	Not Null
prom_code	varchar	Not Null, Unique

Foreign Key Relationships:

None

6)Returns:
Table Structure

Column Name	Data Type	Constraints
retrn_id	integer	PK, Auto Increment, Not Null, Unique
ord_id	integer	Not Null
prod_id	integer	Not Null
retrn_date	datetime	Not Null
retrn_rsn	char	Not Null
retrn_status	char	Not Null

Foreign Key Relationships:

Foreign Key Name	Column	References
fk_Orders_ord_id_Returns	ord_id	Orders(ord_id)
fk_Order_placed_prod_id_ Products_details	prod_id	Orders_details(prod_id)

7)Order_placed:
Table Structure

Column Name	Data Type	Constraints
cust_id	integer	PK, Not Null
ord_id	integer	PK, Auto Increment, Not Null, Unique
prod_id	integer	Not Null
prod_qty	integer	Not Null
prod_price	float	Not Null
prom_id	integer	Not Null
shpmt_id	integer	Not Null
sply_id	integer	Not Null

Foreign Key Relationships:

Foreign Key Name	Column	References
fk_Order_placed_cust_id_ Customer_details	cust_id	Customer_details(cust_id)
fk_Order_placed_ord_id_ Orders	ord_id	Orders(ord_id)
fk_Order_placed_prod_id_ Products_details	prod_id	Orders_details(prod_id)
fk_Order_placed_prom_id _Promotion	prom_id	Promotion(prom_id)
fk_Order_placed_shpmt_id _Shipments	shpmt_id	Shipments(shpmt_id)
fk_Suppliers_sply_id_Orde r_placed	sply_id	Suppliers(sply_id)

8)Shipments:
Table Structure

Column Name	Data Type	Constraints

shpmt_id	integer	PK, Auto Increment, Not Null, Unique
ord_id	integer	Not Null
shpmt_add	char	Not Null
shpmt_track_number	varchar	Not Null, Unique

Foreign Key Relationships:

Foreign Key Name	Column	References
fk_Orders_ord_id_Shipments	ord_id	Orders(ord_id)

Relationships:

Entity 1	Entity 2	Relationship Type
Customer_details	Order_placed	1:M
Order_placed	Products_details	M:N
Products_details	Suppliers	M:N
Order_placed	Shipments	1:M
Order_placed	Promotion	1:M
Orders	Returns	1:M