



SUPERSHOP MANAGEMENT SYSTEM

ER diagram , Normalized Tables and Schema diagram

Submitted to:

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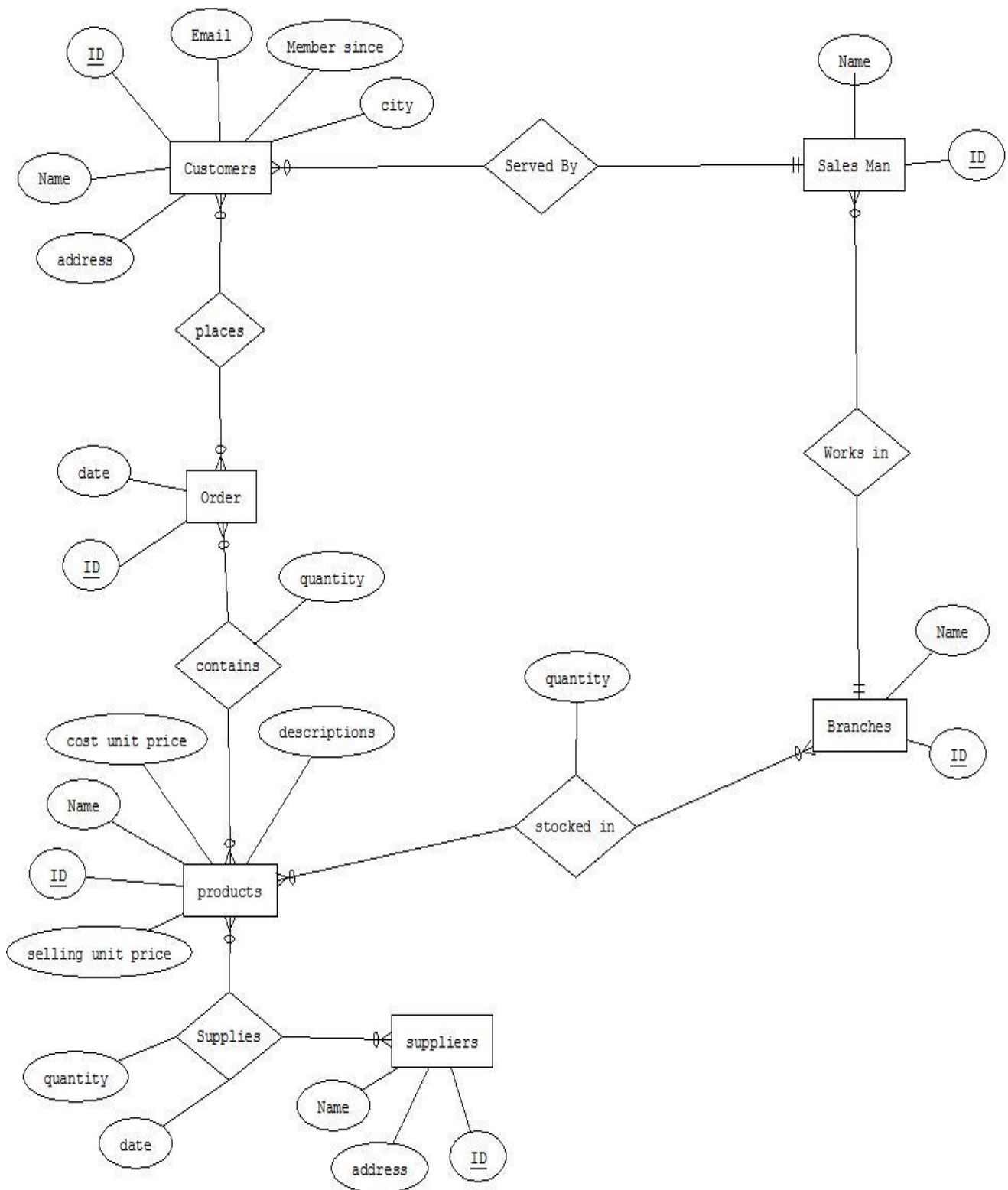
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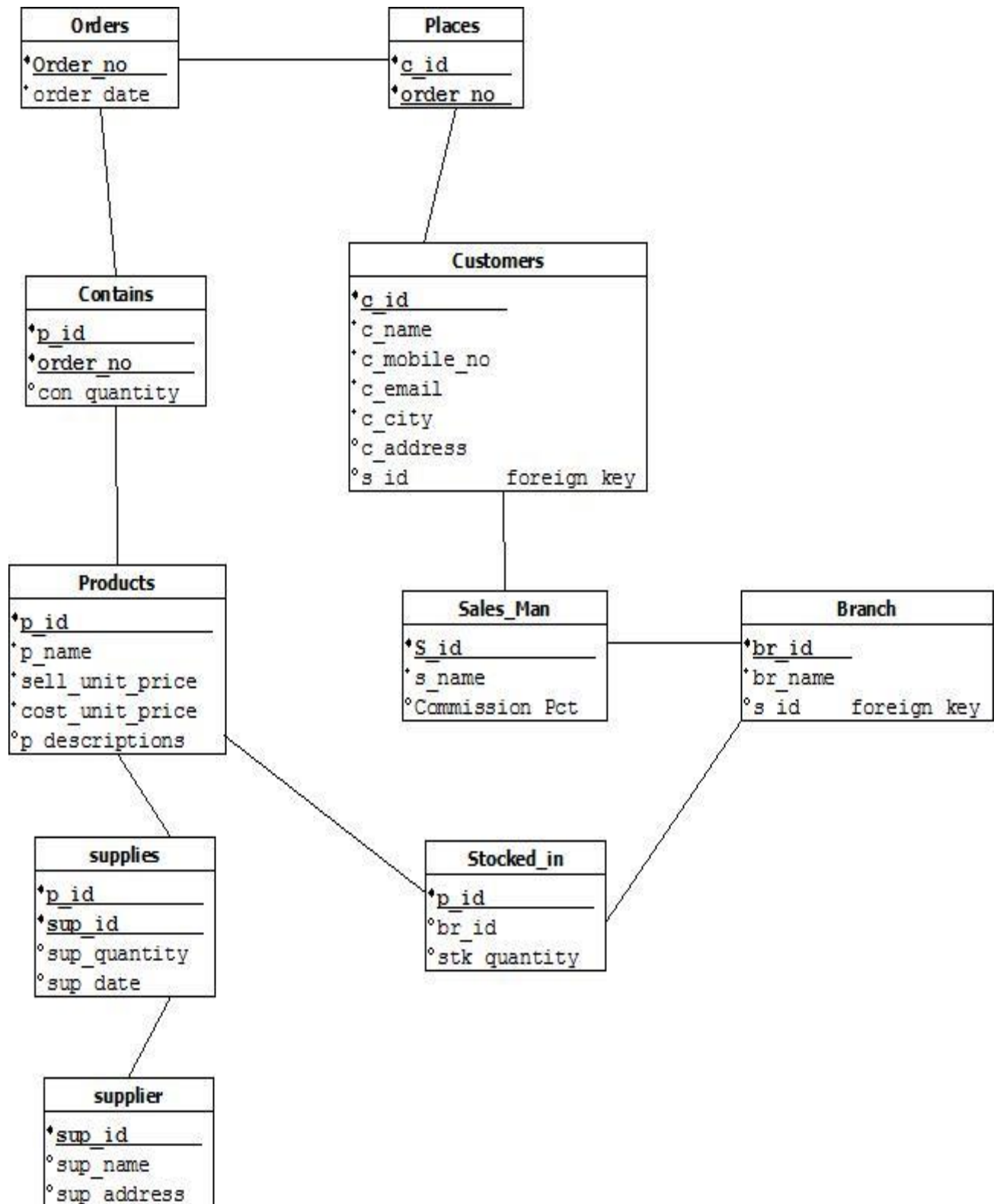
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ShuperShop management Project ER diagram



ShuperShop management Project Schema diagram



Normalized Tables

1. Order

<u>Order_no</u>	Order_date
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2. Places

<u>C_id</u>	<u>Order_no</u>
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3. Customers

<u>C_id</u>	C_name	C_mobile_no	C_email	Member_since	C_City	C_address	S_id
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4. Sales_man

<u>S_id</u>	S_name	Commission_pct
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5. Products

<u>P_id</u>	P_name	Sell_unit_price	Cost_unit_price	P_descriptions
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6. Contains

<u>P_id</u>	<u>Order_no</u>	Con_quantity
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7. Suppliers

<u>S_id</u>	Sup_name	Sup_address
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8. Supplies

<u>P_id</u>	<u>Sup_id</u>	Sup_quantity	Sup_date
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9. Stocked_id

<u>P_id</u>	<u>Br_id</u>	Stk_quantity
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10. Branch

<u>Br_id</u>	Br_name	S_id
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Normalization

Upto 3NF

1) Places

<u>Id</u>	Name	Mobile_no	Email	Member_since	City	Address	<u>Order_no</u>	date
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1NF

<u>C_id</u>	C_Name	C_mobile_no	C_Email	Member_since	C_City	C_Address	<u>Order_no</u>	Order_date
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C_id , order_no → c_name , c_mobile_no , c_email , member_since , c_city , c_address, Order_date

2NF

C_id → c_name , c_mobile_no , c_email , member_since , c_city , c_address

Order_no → order_date

Tables:

Customers :

<u>C_id</u>	C_name	C_mobile_no	C_email	Member_since	C_City	C_address
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Order :

<u>Order_no</u>	Order_date
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3rd Table:

Places :

<u>C_id</u>	<u>Order_no</u>
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2) Served_by

<u>id</u>	name	Mobile_no	email	Member_since	City	Address	<u>id</u>	Name	Commission_pct
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1NF

<u>C_id</u>	C_name	C_Mobile_no	C_email	Member_since	C_City	C_Address	<u>S_id</u>	S_Name	Commission_pct
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C_id , s_id → c_name , c_mobile_no , c_email , member_since , c_city , c_address , s_name , commission_pct

2NF

C_id → c_name , c_mobile_no , c_email , member_since , c_city , c_address

S_id → s_name , commission_pct

Tables :

Customers : **Updated**

<u>C_id</u>	C_name	C_mobile_no	C_email	Member_since	C_City	C_address	S_id
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Sales man :

<u>S_id</u>	S_name	Commission_pct
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3) Contains

<u>id</u>	date	<u>id</u>	name	Cost_unit_price	Sell_unit_price	description
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1NF

<u>Oder_id</u>	Order_date	<u>P_id</u>	P_name	Cost_unit_price	Sell_unit_price	P_description
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Order_id , p_id → order_date , p_name , sell_unit_price , cost_unit_price , p_description

2NF

order_no → date

p_id → p_name , sell_unit_price , cost_unit_price , P_description

Tables

Products :

<u>P_id</u>	P_name	Sell_unit_price	Cost_unit_price	P_description
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Order :

<u>Order_no</u>	Order_date
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3rd table :

Contains :

<u>P_id</u>	<u>Order_no</u>	Order_quantity
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4) Supplies :

<u>id</u>	Name	Address	<u>id</u>	Name	Sell_unit_price	Cost_unit_price	description
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1NF

<u>Sup_id</u>	Sup_name	Sup_address	<u>P_id</u>	P_Name	Sell_unit_price	Cost_unit_price	P_description
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Sup_id , p_id → sup_name , sup_address , p_name , sell_unit_price , cost_unit_price , P_description

2NF

Sup_id → sup_name , sup_address

p_id → p_name , sell_unit_price , cost_unit_price , P_description

Tables :

Supplier :

<u>Sup_id</u>	Sup_name	Sup_address
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Products :

<u>P_id</u>	P_name	Sell_unit_price	Cost_unit_price	P_description
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3rd table :

supplies :

<u>P_id</u>	<u>Sup_id</u>	Sup_quantity	date
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5) stocked in :

<u>id</u>	Name	Sell_unit_price	Cost_unit_price	Description	<u>id</u>	Name	quantity
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1NF :

<u>P_id</u>	P_Name	Sell_unit_price	Cost_unit_price	P_Description	<u>Br_id</u>	Br_Name	Stk_quantity
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P_id , br_id → p_name , sell_unit_price , cost_unit_price , p_description , br_name

2NF :

P_id → p_name , sell_unit_price , cost_unit_price , p_description

Br_id → br_name

Tables :

Products :

<u>P_id</u>	P_name	Sell_unit_price	Cost_unit_price	P_description
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Branch :

<u>Br_id</u>	Br_name
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3rd table :

Stocked in :


<u>P_id</u>	<u>Br_id</u>	stk_quantity
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6) Works_in :


<u>Id</u>	Name	Commission_pct	<u>id</u>	Name
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1NF :

<u>S_id</u>	S_Name	Commission_pct	<u>Br_id</u>	Br_Name
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S_id , br_id  s_name , commission_pct , br_name

2NF :

S_id  s_name , commission_pct

Br_id  br_name

Tables :

Sales man :

<u>S_id</u>	S_name	Commission_pct
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Branch : **Updated**

<u>Br_id</u>	Br_name	S_id
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