Entities, Attributes & Schemas

1. **Customer**
   Attributes(customer_id, first_name, last_name, birth_date, phone_number, email_id, gender, house_no, street, city, pincode, country, subscription_status**)**

customer_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
first_name	VARCHAR(255) NOT NULL
last_name	VARCHAR(255)
birth_date	DATETIME
phone_number	VARCHAR(255) NOT NULL
email_id	VARCHAR(255)
gender	VARCHAR(10)
house_no	VARCHAR(255) NOT NULL
street	VARCHAR(255) NOT NULL
city	VARCHAR(255) NOT NULL
pincode	VARCHAR(255)
country	VARCHAR(255)
subscription_status	VARCHAR(255)

2. **Orders**
   Attributes(order_id, coupon_id1, agent_id1, customer_id1, order_status, order_date, house_no1, street1, city1,country1, delivery_charges, total_amount, payment_status, coupon_discount, shipping_date**)**

order_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
coupon_id1	INT FOREIGN KEY REFERENCES coupon
agent_id1	INT FOREIGN KEY REFERENCES delivery_agent
customer_id1	INT NOT NULL FOREIGN KEY REFERENCES customer
order_status	VARCHAR(255)
order_date	DATETIME
house_no1	VARCHAR(255) NOT NULL
street1	VARCHAR(255) NOT NULL
city1	VARCHAR(255) NOT NULL
country1	VARCHAR(255)
delivery_charges	DECIMAL(10,2)
total_amount	DECIMAL(10,2)
payment_status	VARCHAR(255)
coupon_discount	DECIMAL(255)
shipping_date	DATE

3. **Order_item**
   Attributes(order_id1, product_id1, quantity, price**)**

order_id1	INT NOT NULL FOREIGN KEY REFERENCES orders
product_id1	INT NOT NULL FOREIGN KEY REFERENCES products
quantity	INT
price	DECIMAL(10, 2)

4. **Products**
   Attributes(product_id, category_id, admin_id, product_name, p_description, price, stock, discount**)**

product_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
category_id	INT FOREIGN KEY REFERENCES category
admin_id	INT FOREIGN KEY REFERENCES adminn
product_name	VARCHAR(255) NOT NULL
p_description	TEXT
price	DECIMAL(10, 2)
stock	DECIMAL(10, 2)
discount	DECIMAL(10, 2)

5. **Delivey_agent**
   Attributes(admin_id2, agent_id, first_name1, last_name1, phone_number1**)**

admin_id2	INT NOT NULL FOREIGN KEY REFERENCES adminn
agent_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
first_name1	VARCHAR(255)
last_name1	VARCHAR(255)
phone_number1	VARCHAR(20)

6. **Coupon**
   Attributes(coupon_id, admin_id3, coupon_code, discount**)**

coupon_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
admin_id3	INT NOT NULL FOREIGN KEY REFERENCES adminn
coupon_code	VARCHAR(10)
discount	DECIMAL(5, 2)

7. **category**
   Attributes(admin_id1, category_id, category_name**)**

admin_id1	INT NOT NULL FOREIGN KEY REFERENCES adminn
category_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
category_name	VARCHAR(255)

8. **cart**
   Attributes(cart_id, customer_id3, total_amount1**)**

cart_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
customer_id3	INT NOT NULL FOREIGN KEY REFERENCES customer
total_amount1	DECIMAL(10, 2)

9. **cart_items**
   Attributes(product_id1, cart_id1, quantity)

product_id1	INT NOT NULL FOREIGN KEY REFERENCES products
cart_id1	INT FOREIGN KEY REFERENCES cart
quantity	INT

10. payment

Attributes(payment_id, order_id2, amount, date1, payment_method**)**

payment_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
order_id2	INT FOREIGN KEY REFERENCES order
amount	DECIMAL(10, 2)
date1	DATETIME
payment_method	VARCHAR(255)

11. adminn

Attributes(admin_id, email_id1, namee, phone_number1**)**

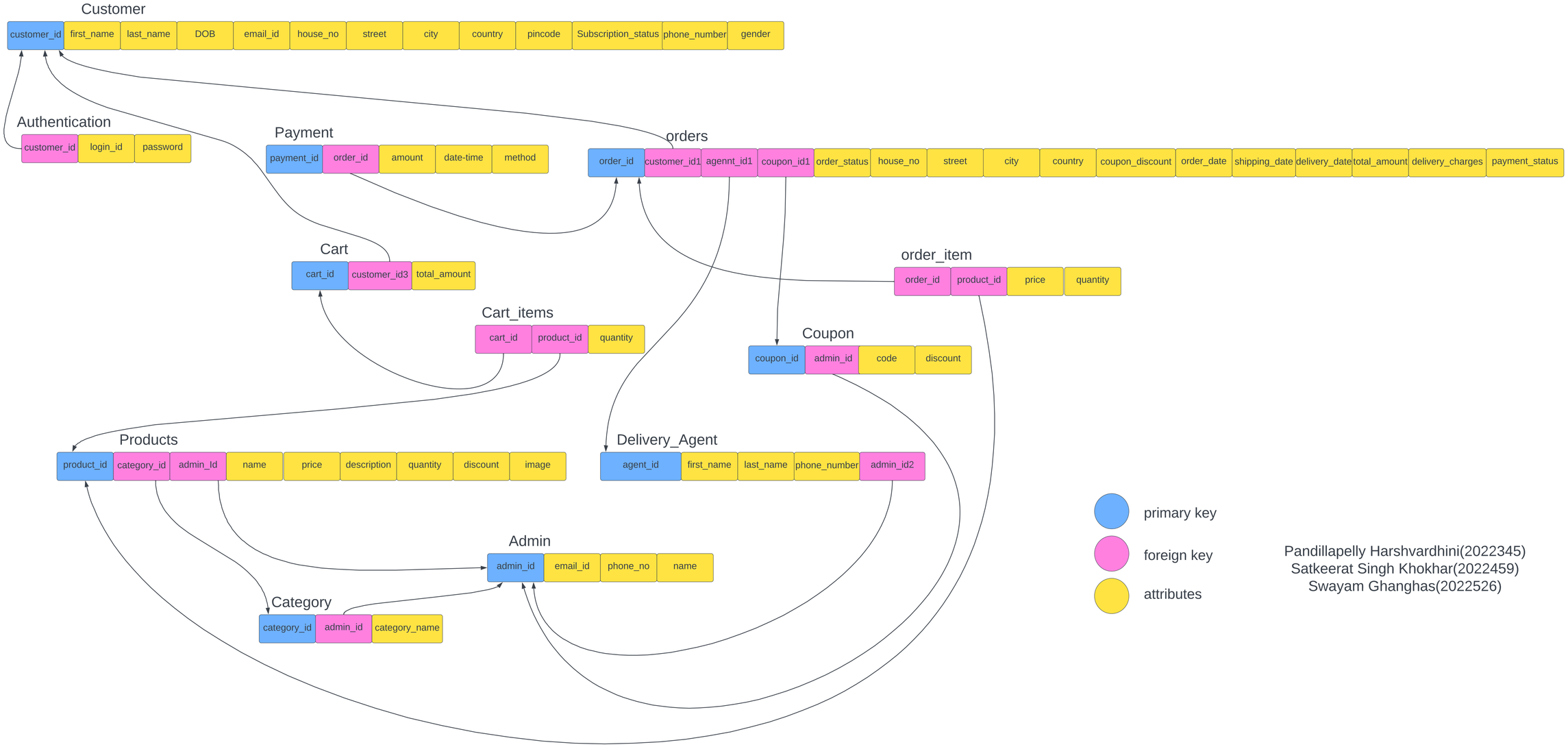
admin_id	INT PRIMARY KEY NOT NULL AUTO_INCREMENT
email_id1	VARCHAR(255)
namee	VARCHAR(255)
phone_number1	VARCHAR(10)

12. authenticationn

Attributes(login_id, customer_id2, password1**)**

login_id	INT NOT NULL
customer_id2	INT FOREIGN KEY REFERENCES customer
password1	VARCHAR(255)

Relational model
Online Store



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