Relational Database (SQL)

- Customer table

Item table

```
CREATE TABLE Item
(
    product_number VARCHAR(10) PRIMARY KEY,
    product_name VARCHAR(100),
    price DECIMAL(10, 2)
);
```

- Order table

Order_Item table

MongoDB (NoSQL)

- Customer Collection

```
"customer_id": 1,
    "name": "Frank Brown",
    "email": "fbrown@gmail.com",
    "phone": "0623156543"
}
```

- Item Collection

```
"product_number": "A546",
   "product_name": "iPhone 12",
   "price": 980.00
},

"product_number": "S333",
   "product_name": "Samsung Galaxy 12S",
   "price": 800.00
}
```

- Order Collection

Cassandra (NoSQL Column Store)

- Customer table

```
CREATE TABLE Customer
(
    customer_id UUID PRIMARY KEY,
    name TEXT,
    email TEXT,
    phone TEXT
);
```

Item table

```
CREATE TABLE Item
(
    product_number TEXT PRIMARY KEY,
    product_name TEXT,
    price DECIMAL
);
```

- Order table

```
CREATE TABLE Order
(
    order_id UUID PRIMARY KEY,
    order_date DATE,
    customer_id UUID,
    total_price DECIMAL
);
```

Order_Item table

```
CREATE TABLE OrderItem
(
    order_item_id UUID PRIMARY KEY,
    order_id UUID,
    product_number TEXT,
    quantity INT,
    price DECIMAL
);
```

Neo4j (Graph Database)

```
CREATE (customer:Customer {customer_id: 1, name: 'Frank Brown', email:
  'fbrown@gmail.com', phone: '0623156543'})

CREATE (item1:Item {product_number: 'A546', product_name: 'IPhone 12', price:
  980.00})

CREATE (item2:Item {product_number: 'S333', product_name: 'Samsung Galaxy
  12S', price: 800.00})

CREATE (order:Order {order_id: 122435, order_date: '2021-11-09', total_price:
  5160.00})

CREATE (order_item1:OrderItem {quantity: 2, price: 980.00})

CREATE (order_item2:OrderItem {quantity: 4, price: 800.00})

CREATE (customer) - [:PLACED] -> (order)

CREATE (order) - [:CONTAINS] -> (order_item1)

CREATE (order_item1) - [:FOR] -> (item1)

CREATE (order_item2) - [:FOR] -> (item1)

CREATE (order_item2) - [:FOR] -> (item2)
```