ADB PHASE 1

Team number: 11

Members:

Reem Emad sec.: 1 B.N.: 33

Passant Abd ElGalil sec.1 B.N.: 20

Mariem Nasser sec.: 2 B.N.: 23

Mariem Mohammed sec.:2 B.N.: 22

System description: the system is an online store like OLX, the main entities are:

Customer, deliveryman, order, product

Operating System: Windows

CPU: Intel

Processor: core i7, 10th generation
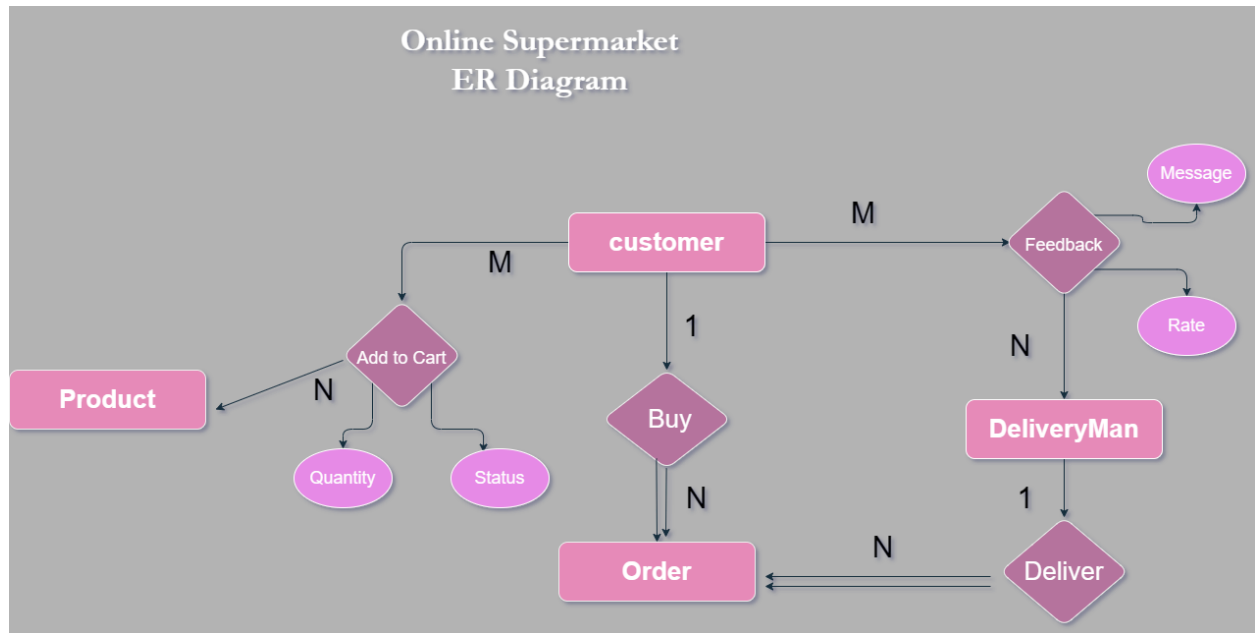
RAM: 16 GB

Hard Disk: SSD

Data base report:

Using mysql:

TABLE_NAME	TABLE_ROWS	AVG_ROW LENGTH	DATA_LENGTH	INDEX_LENGTH	DATA_FREE	FK	AUTO_INCREMENT
customer	1033612(1M)	225	3686400	2064384	4194304	0	16419
deliveryman	16635	223	3686400	2080768	4194304	0	16636
order	2.5M	38	38338560	42041344	4194304	2	1000001
ordercomponents	3M	49	48840704	55705600	7340032	3	NULL
product	2M	243	2.36E+08	0	6291456	0	1000001

✓	84	16:13:28	select * from `customer`	1033612 row(s) returned	0.000 sec / 3.688 sec
✓	85	16:14:04	select * from `deliveryman`	16635 row(s) returned	0.016 sec / 0.078 sec
✓	77	16:10:28	select * from `OrderComponents`	3000000 row(s) returned	0.015 sec / 3.954 sec
✓	83	16:12:49	select * from `order`	2500000 row(s) returned	0.016 sec / 2.812 sec
✓	86	16:14:11	select * from `product`	2000000 row(s) returned	0.000 sec / 9.609 sec

ER diagram:

Online Supermarket
ER Diagram

Schema:

Customer

Id	int
FirstName	varchar(255)
SecondName	varchar(255)
Governorate	varchar(255)
City	varchar(255)
StreetName	varchar(255)
BuildingNumber	varchar(255)
AppartmentNumber	varchar(255)
Gender	char
PhoneNumber	int(32)
Email	varchar(255)
Password	varchar(255)

DeliveryMan

Id	int
FirstName	varchar(255)
SecondName	varchar(255)
Governorate	varchar(255)
City	varchar(255)
StreetName	varchar(255)
BuildingNumber	varchar(255)
AppartmentNumber	varchar(255)
PhoneNumber	int(32)
Email	varchar(255)
Password	varchar(255)
Salary	int
Bonus	int

Product

ID	INT
Name	VARCHAR(45)
Price	DECIMAL(19,4)
Quantity	INT
Description	VARCHAR(255)
ExpiryDate	varchar(255)
ProductImage	VARCHAR(255)
Discount	INT
EndTimeOffer	varchar(255)
Frequency	INT

Order

CustomerId	int
Id	int
DeliveryManId	int
TotalPayment	int
IsDelivered	boolean

OrderComponents

ProductId	int
CustomerId	int
OrderId	int
Quantity	int