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Product- Drills

Term Project

Nitro Drills



Database Design & SQL

Faculty – Jim Cooper

Term – Fall

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Company Description

I.1 Company Name:

Nitro Drills

I.2 Company Overview:

Nitro Drills was established in 2016 with the goal to deliver tools necessary in several works maintaining the quality, durability and lowest price possible to the customers. At first we were named 'Nitro Tools'. But then as the sales growth in drills were much more than other products, we focused on just only one product to deliver the best drills possible to our customers.



Now we are known as one of the best drills seller in the country. We have drills of the best price range and functionality and our drills are particularly known for durability. We have several brands in our collection. We focus on customer satisfaction more than anything. We believe that customers are always right.

Company Description

I.3 Product:

Drills

I.4 Product Attribute:

Attributes	Sample Data
Product Id (UK)	12345
Model Number	58736
Product Name	Black & Decker Electronic Drill
Assembly Required	No
Batteries Required	Yes
Batteries Included	Yes
Manufacturer	JAKKS Pacific
Stock	100
Product Dimension	5.08 x 21.29 x 24.13 cm;
Weight	900 gm
Color	Yellow
Warranty	2 Years

Customer Sale Invoice

I.5 Invoice:

Nitro Drills

437 Patterson Street
Toronto, ON M1K 5V5
437-123-3098

Invoice of:

Nicole Coleman
53 Silvio Ave,
Sarnia, ON, M1L 2K3
237-228-0291

Invoice No: 304852

Customer ID: 234345

Date: 22.10.2021

Payment: Cash on Delivery

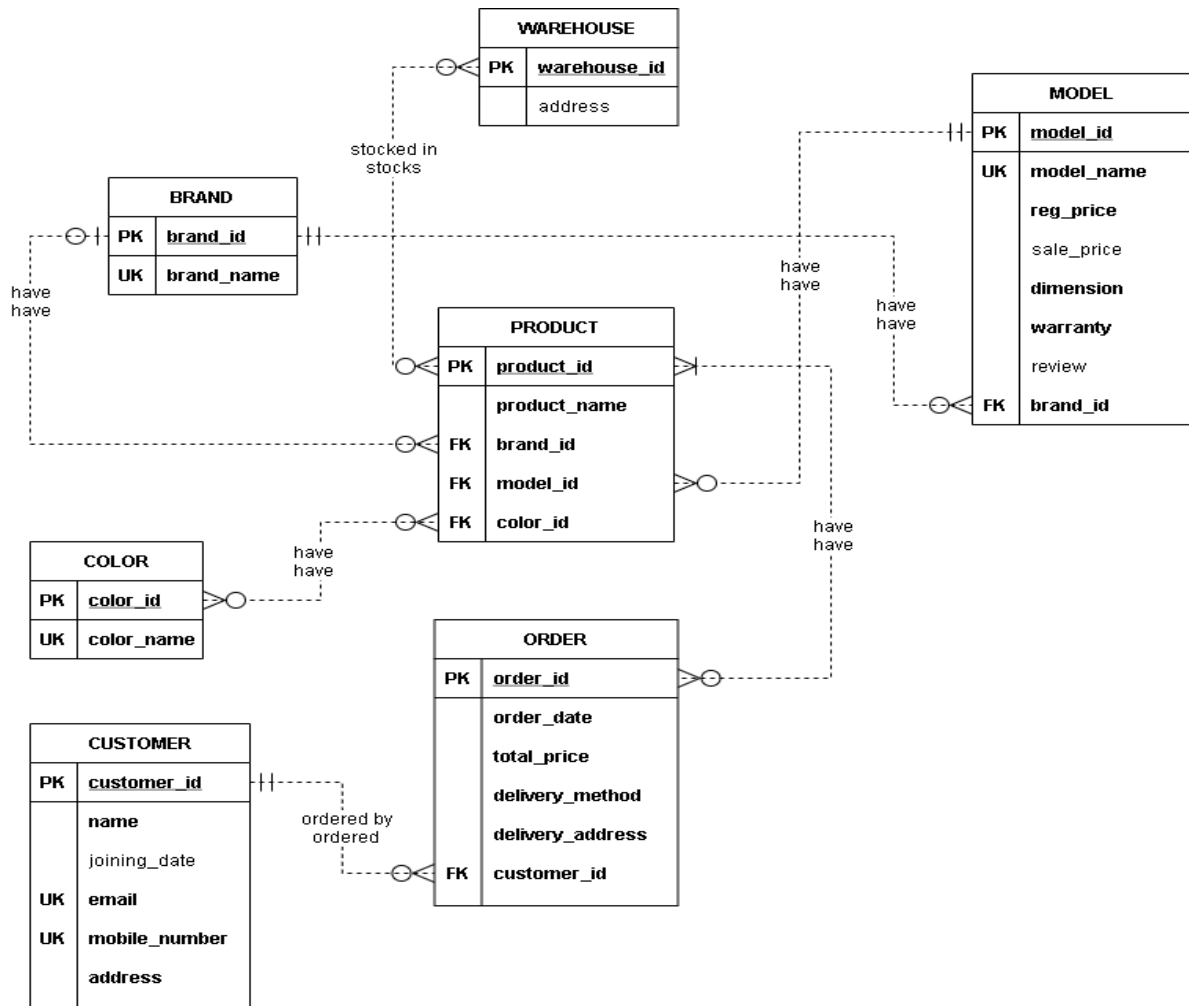
Delivery Method: Home Delivery

PRODUCT ID	MODEL	QTY	BRAND	Color	UNIT PRICE	EXTENDED PRICE
345334	345-V	1	Black Decker	Black	\$99.99	\$199.98
567453	MK-234	2	DEWALT	Red	\$100.00	\$200.00
345346	SLR-2	1	BOSCH	Yellow	\$89.99	\$89.99
456345	232-SV	3	WO	Black	\$120.00	\$360.00
870678	MARK-2	1	Craftsman	Navy	\$98.99	\$98.99

Sub-Total	\$948.96
Tax	\$49.00
Total	\$997.96

Entity Relationship Diagrams

I.6 ER Diagram (With M:M):



Each **PRODUCT** may have zero or one **BRAND**
 Each **BRAND** may have zero, one or multiple **PRODUCT**s

Each **PRODUCT** must have one and only one **MODEL**
 Each **MODEL** may have zero, one or multiple **PRODUCT**s

Each **PRODUCT** may be stocked in zero, one or multiple **WAREHOUSE**
 Each **WAREHOUSE** may stock zero, one or multiple **PRODUCT**s

Each **PRODUCT** may have zero, one, or multiple **COLOR**
 Each **COLOR** may have zero, one or multiple **PRODUCT**s

Each **PRODUCT** may have zero, one or multiple **ORDER**s
 Each **ORDER** may have one or multiple **PRODUCT**s

Each **BRAND** may have zero, one or multiple **MODEL**s
 Each **MODEL** must have one and only one **BRAND**

Each **CUSTOMER** may have zero, one or multiple **ORDER**s
 Each **ORDER** must be ordered by one and only one **CUSTOMER**

Entity Relationship Diagrams

I.7 ER Diagram (Without M:M):

