

# [Skate queries](https://assignbuster.com/skate-queries/)

Lanea Hall American InterContinental ITCO231 Individual 4 May In this paper the field specifications for the database for Fernando’s Skate Shop are discussed. Moreover the queries are also implemented on the finalized complete design of database for Fernando’s Skate Shop is discussed. The RDBMS used is Microsoft Access 2007. The rationale for field specifications is discussed for the clarity of understanding. There are 2 queries implemented. The queries are really helpful in assessing the sale volume and the records of purchases done by the customers. This database can be useful for futuristic evaluation of business and for launching promotions by figuring out the sales volume and regular customers.
Introduction:
This report describes the features and specifications of the fields formulated for the database tables designed for “ Fernando’s Skate Shop”. This design is implemented using MS-Access 2007. The database design comprises of six tables. The descriptions of the fields of tables are shown through Table 1. 1 – Table 1. 6
Table 1. 1. The Field specifications for the CUSTOMER Table
Field Name
Type
Size
CustomerID
Text
5
Primary Key
LastName
Text
20
FirstName
Text
20
Address
Text
30
City
Text
15
State
Text
3
Zip
Text
5
Telephone
Text
10
Input mask attached
E-mail
Text
40
Table 1. 2. The Field specifications for the SUPPLIER Table
Field Name
Type
Size
CustomerID
Text
5
Primary Key
LastName
Text
20
FirstName
Text
20
Address
Text
30
City
Text
15
State
Text
3
Zip
Text
5
Telephone
Text
10
Input mask attached
E-mail
Text
40
Table 1. 3. The Field specifications for the PRODUCTTYPE Table
Field Name
Type
Size
TypeID
AutoNumber
Long Integer
Primary Key
TypeDescription
Text
15
Table 1. 4. The Field specifications for the PRODUCTS Table
Field Name
Type
Size
ProductID
Text
20
Primary Key
ProductName
Text
40
ProductType
Number
Long Integer
Foreign Key. Long Integer synchronizes with the data type of Primary key of PRODUCTTYPE table. The lookup property is used to attach this field with its master table.
Price
Number
Single
Involves decimal places.
StockUnits
Number
Long Integer
Table 1. 5. The Field specifications for the DAILYORDERS Table
Field Name
Type
Size
OrderID
AutoNumber
Long Integer
Primary Key
DateOf Sale
Date/Time
ProductID
Text
20
Foreign Key. Combo box attached in Lookup Property
CustomerID
Text
5
Foreign Key. Combo box attached in Lookup Property.
Quantity
Number
Long Integer
ModeOfTransaction
Text
15
Like Cash, Credit Card, Debit Transfer etc.
Table 1. 6. The Field specifications for the PURCHASERECORDS Table
Field Name
Type
Size
PurchaseID
AutoNumber
Long Integer
Primary Key
ItemDescription
Text
20
QuantityPurchased
Number
Long Integer
RateperUnit
Number
Single
Date of Purchase
Date/Time
SupplierID
Text
5
Foreign Key. Combo box attached in Lookup property.
Queries:
There explanation of the two queries introduced in the database is as follows,
Query1: Customer with Orders
This query uses 4 tables to retrieve data and produce results. It returns the sale details with Customer names, Product Names, Product Type and Date of Sale. Figure 1. 2 highlights the design of this query.
Figure 1. 2. Query 1: Customer with Orders
Query2: Products with details of Sales
This query uses 3 tables to retrieve data and produce results. It returns the sales volume details with Product Names, respective Price, Sum of quantity of each product sold and Sum of sales amount for each product (calculated by retrieving values from two different tables). Figure 1. 3 highlights the design of this query.
Figure 1. 3. Query 2: Product with Details of Sales
The Learning Outcomes
Following are the things that are learnt through this exercise,
Identification of possible specifications for fields. from a given scenario.
Maintaining constraints for foreign keys.
Using the lookup property
Understanding and Creating queries to produce useful output from the recorded data.
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