

Grocery Store
Database diagram
MSSA 18-Week
project
Harry Ezeodum
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User		
Field	Type	Constraint
userid	INT	NOT NULL (PK)
email	NVARCHAR(30)	NOT NULL
password	NVARCHAR(30)	NOT NULL

SalesOrders		
Field	Type	Constraint
orderid	INT	NOT NULL (PK)
empid	INT	NOT NULL (FK)
custid	INT	NULL (FK)
orderdate	DATE	NOT NULL
shipdate	DATE	NULL
salesorder	MONEY	NOT NULL
shipaddress	NVARCHAR(30)	NOT NULL
shipcity	NVARCHAR(20)	NOT NULL
state	NVARCHAR(10)	NOT NULL
shipzipcode	INT	NULL

OrderDetails		
Field	Type	Constraint
orderid	INT	NOT NULL (PK, FK)
productid	INT	NOT NULL (PK, FK)
unitprice	MONEY	NOT NULL
qty	SMALLINT	NOT NULL
discount	NUMERIC	NOT NULL

Employees		
Field	Type	Constraint
empid	INT	NOT NULL (PK)
userid	INT	NOT NULL (FK)
lastname	NVARCHAR(30)	NOT NULL
firstname	NVARCHAR(30)	NOT NULL
title	NVARCHAR(20)	NOT NULL
birthdate	Field	NOT NULL
hiredate	Field	NOT NULL
address	NVARCHAR(30)	NOT NULL
city	NVARCHAR(20)	NOT NULL
state	NVARCHAR(10)	NOT NULL
zipcode	INT	NULL
phone	NVARCHAR(15)	NOT NULL

Customers		
Field	Type	Constraint
custid	INT	NOT NULL (PK)
userid	INT	NOT NULL (FK)
lastname	NVARCHAR(30)	NOT NULL
firstname	NVARCHAR(30)	NOT NULL
address	NVARCHAR(30)	NOT NULL
city	NVARCHAR(20)	NOT NULL
state	NVARCHAR(10)	NOT NULL
zipcode	INT	NULL
phone	NVARCHAR(15)	NOT NULL

Products		
Field	Type	Constraint
productid	INT	NOT NULL (PK)
productname	NVARCHAR(30)	NOT NULL
supplierid	INT	NOT NULL(FK)
categoryid	INT	NOT NUL (FK)
unitprice	MONEY	NOT NULL

Suppliers		
Field	Type	Constraint
supplierid	INT	NOT NULL (PK)
companyname	NVARCHAR(30)	NOT NULL
contactname	NVARCHAR(30)	NOT NULL
contacttitle	NVARCHAR(30)	NOT NULL
address	NVARCHAR(30)	NOT NULL
city	NVARCHAR(20)	NOT NULL
state	NVARCHAR(30)	NOT NULL
zipcode	INT	NULL
phone	NVARCHAR(15)	NOT NULL
fax	NVARCHAR(15)	NULL

Categories		
Field	Type	Constraint
categoryid	INT	NOT NULL (PK)
categoryname	NVARCHAR(20)	NOT NULL
description	NVARCHAR(150)	NOT NULL

can be an

can be a

can belong to

can have

can have different

Can supply