

Table Design

User Table

Column Name	Data Type	Constraints
UserID	int	Unique, notnull
Username	Varchar (50)	Unique ,notnull
Password	Varchar (50)	notnull
Email	Varchar (50)	Unique

Role Table

Column Name	Data Type	Constraints
RoleID	int	Primary Key, Auto Increment
RoleName	varchar(50)	Unique, notnull

Permission Table

Column Name	Data Type	Constraints
Permissionid	int	Primary Key, Auto Increment
Permissionname	Varchar(20)	Unique,notnull

Aquarium and Pet Table

Column Name	Data Type	Constraints
aqpetid	int	Unique,notnull
categoryid	varchar(50)	Unique,notnull
description	varchar(50)	notnull
price	Decimal(10,2)	Unique

Categories Table

Column Name	Data Type	Constraints
categoryid	int	Primary Key, Auto Increment
categoryname	varchar(50)	notnull

Supplier Table

Column Name	Data Type	Constraints
SupplierID	int	Primary Key, Auto Increment
SupplierName	varchar(100)	Not null
Phno	text	Not null

Inventory Table

Column Name	Data Type	Constraints
Inventoryid	int	Primary Key, Auto Increment
aqpetid	int	Foreign key(aqpetid from aquarium and pet table)
SupplierID	int	Foreign key(supplierid from supplier table)
quantity	int	Not null
purchasedate	date	Not null

Customer Table

Column Name	Data Type	Constraints
customerid	int	Primary Key, Auto Increment
customername	varchar(50)	notnull

Order Table

Column Name	Data Type	Constraints
orderid	int	Primary Key, Auto Increment
customerid	int	Foreignkey, Unique, notnull
orderdate	Not null	notnull
amount	Decimal(10,2)	notnull

Payment Method

Column Name	Data Type	Constraints
methodid	int	Primary Key, Auto Increment
orderid	int	Foreignkey, (ordered in ordertable)Not null
methodname	varchar(100)	Not null

Payment Table

Column Name	Data Type	Constraints
methodid	int	Primary Key, Auto Increment
orderid	int	Foreignkey, (ordered in ordertable)Not null