Database documentation

Server name:	server1
Database name:	Northwind
Documentation date:	30/03/2009
Database size:	4.25 MB
Database description:	

Table summary

Name	Data size	Index size	Row Count
dbo.Categories	112 KB	32 KB	8
dbo.CustomerCustomerDemo	0 KB	0 KB	0
dbo.CustomerDemographics	0 KB	0 KB	0
dbo.Customers	24 KB	96 KB	91
dbo.Employees	232 KB	48 KB	9
dbo.EmployeeTerritories	8 KB	24 KB	49
dbo.Order Details	72 KB	208 KB	2155
dbo.Orders	160 KB	336 KB	831
dbo.Products	8 KB	96 KB	77
dbo.Region	8 KB	24 KB	4
dbo.Shippers	8 KB	16 KB	3
dbo.Suppliers	24 KB	48 KB	29
dbo.Territories	8 KB	24 KB	53
dbo.TestTable	0 KB	0 KB	0

14 table(s)

TABLES

dbo.Categories

List of categories
Second line

I F P	Column name	Data type	Nulls	Default	Description
	CategoryID	int	NO		Categories of Northwind products.
	CategoryName	nvarchar(15)	NO		Name of food category.
	Description	ntext	YES		Full description of the category. Provide samples.
	Picture	image	YES		A picture representing the food category.

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Categories	CategoryID	ASC	Yes	CLUSTERED
CategoryName	CategoryName	ASC		NONCLUSTERED

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Products	FK_Products_Categories	PK_Categories

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table extended properties

Author	John Smith
CustomProperty1	Sample value to test extended properties

Field-level extended properties

Column name	Extended property name	Value
CategoryID	Author	Field level property

Objects that depend on dbo.Categories

dbo.Alphabetical list of products (VIEW)
dbo.Product Sales for 1997 (VIEW)
dbo.Products by Category (VIEW)
dbo.Sales by Category (VIEW)
dbo.SalesByCategory (Stored procedure)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Categories](
[CategoryID] [int] IDENTITY(1,1) NOT NULL,
[CategoryName] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NOT NULL,
[Description] [ntext] COLLATE Modern_Spanish_CI_AS NULL,
[Picture] [image] NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

dbo.CustomerCustomerDemo

Test description

I F P	Column name	Data type	Nulls	Default	Description
IX FK	CustomerID	nchar(5)	NO		234
IX FK	CustomerTypeID	nchar(10)	NO		234

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_CustomerCustomerDemo	CustomerID	ASC	Yes	NONCLUSTERED
PK_CustomerCustomerDemo	CustomerTypeID	ASC	Yes	NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_CustomerCustomerDemo_Customers	CustomerID	PK_Customers (dbo.Customers)	
FK_CustomerCustomerDemo	CustomerTypeID	PK_CustomerDemographics (dbo.CustomerDemographics)	

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[CustomerCustomerDemo](
[CustomerID] [nchar](5) COLLATE Modern_Spanish_CI_AS NOT NULL,
[CustomerTypeID] [nchar](10) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
```

dbo.CustomerDemographics

Sample annotation for table CustomerDemographics

I F P	Column name	Data type	Nulls	Default	Description
	CustomerTypeID	nchar(10)	NO		123465
	CustomerDesc	ntext	YES		sdfg

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_CustomerDemographics	CustomerTypeID	ASC	Yes	NONCLUSTERED

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.CustomerCustomerDemo	FK_CustomerCustomerDemo	PK_CustomerDemographics

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[CustomerDemographics](
[CustomerTypeID] [nchar](10) COLLATE Modern_Spanish_CI_AS NOT NULL,
[CustomerDesc] [ntext] COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

dbo.Customers

Customers' names and related data

I F P	Column name	Data type	Nulls	Default	Description
	CustomerID	nchar(5)	NO		Unique five-character code based on customer name.
	CompanyName	nvarchar(40)	NO		sdfg
	ContactName	nvarchar(30)	YES		sdg
	ContactTitle	nvarchar(30)	YES		sdfg
	Address	nvarchar(60)	YES		Street or post-office box.
	City	nvarchar(15)	YES		
	Region	nvarchar(15)	YES		State or province.
	PostalCode	nvarchar(10)	YES		
	Country	nvarchar(15)	YES		
	Phone	nvarchar(24)	YES		Phone number includes country code or area code.
	Fax	nvarchar(24)	YES		Phone number includes country code or area code.

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Customers	CustomerID	ASC	Yes	CLUSTERED
City	City	ASC		NONCLUSTERED
CompanyName	CompanyName	ASC		NONCLUSTERED
PostalCode	PostalCode	ASC		NONCLUSTERED
Region	Region	ASC		NONCLUSTERED
IX_Customers	CompanyName	ASC		NONCLUSTERED

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.CustomerCustomerDemo	FK_CustomerCustomerDemo_Customers	PK_Customers
dbo.Orders	FK_Orders_Customers	PK_Customers

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table extended properties

Author	John Smith
CustomProperty1	Sample value to test extended properties

Objects that depend on dbo.Customers

dbo.Customer and Suppliers by City (VIEW)
dbo.CustOrderHist (Stored procedure)
dbo.Invoices (VIEW)
dbo.Orders Qry (VIEW)
dbo.Quarterly Orders (VIEW)
dbo.Sales Totals by Amount (VIEW)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Customers](
[CustomerID] [nchar](5) COLLATE Modern_Spanish_CI_AS NOT NULL,
[CompanyName] [nvarchar](40) COLLATE Modern_Spanish_CI_AS NOT NULL,
```

```
[ContactName] [nvarchar](30) COLLATE Modern_Spanish_CI_AS NULL,
[ContactTitle] [nvarchar](30) COLLATE Modern_Spanish_CI_AS NULL,
[Address] [nvarchar](60) COLLATE Modern_Spanish_CI_AS NULL,
[City] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[Region] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[PostalCode] [nvarchar](10) COLLATE Modern_Spanish_CI_AS NULL,
[Country] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[Phone] [nvarchar](24) COLLATE Modern_Spanish_CI_AS NULL,
[Fax] [nvarchar](24) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
```

dbo.Employees

Employees' names, titles, and personal information.

I F P	Column name	Data type	Nulls	Default	Description
	EmployeeID	int	NO		Number automatically assigned to new employee.
	LastName	nvarchar(20)	NO		
	FirstName	nvarchar(10)	NO		
	Title	nvarchar(30)	YES		Employee's title.
	TitleOfCourtesy	nvarchar(25)	YES		
	BirthDate	datetime	YES		
	HireDate	datetime	YES		
	Address	nvarchar(60)	YES		Street or post-office box.
	City	nvarchar(15)	YES		
	Region	nvarchar(15)	YES		Street or post-office box.
	PostalCode	nvarchar(10)	YES		
	Country	nvarchar(15)	YES		
	HomePhone	nvarchar(24)	YES		Phone number includes country code or area code.
	Extension	nvarchar(4)	YES		Internal telephone extension number.
	Photo	image	YES		Picture of employee.
	Notes	ntext	YES		General information about employee's background.
	ReportsTo	int	YES		Employee's supervisor.
	PhotoPath	nvarchar(255)	YES		

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Employees	EmployeeID	ASC	Yes	CLUSTERED
LastName	LastName	ASC		NONCLUSTERED
PostalCode	PostalCode	ASC		NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_Employees_Employees	ReportsTo	PK_Employees (dbo.Employees)	

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Employees	FK_Employees_Employees	PK_Employees
dbo.EmployeeTerritories	FK_EmployeeTerritories_Employees	PK_Employees
dbo.Orders	FK_Orders_Employees	PK_Employees

Check constraints

Check name	Column name	Expression
CK_Birthdate	BirthDate	([BirthDate] < getdate())

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Objects that depend on dbo.Employees

dbo.Employee Sales by Country (Stored procedure)

dbo.Invoices (VIEW)

Table definition

```sql
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Employees](
[EmployeeID] [int] IDENTITY(1,1) NOT NULL,
[LastName] [nvarchar](20) COLLATE Modern_Spanish_CI_AS NOT NULL,
[FirstName] [nvarchar](10) COLLATE Modern_Spanish_CI_AS NOT NULL,
[Title] [nvarchar](30) COLLATE Modern_Spanish_CI_AS NULL,
[TitleOfCourtesy] [nvarchar](25) COLLATE Modern_Spanish_CI_AS NULL,
[BirthDate] [datetime] NULL,
[HireDate] [datetime] NULL,
[Address] [nvarchar](60) COLLATE Modern_Spanish_CI_AS NULL,
[City] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[Region] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[PostalCode] [nvarchar](10) COLLATE Modern_Spanish_CI_AS NULL,
[Country] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[HomePhone] [nvarchar](24) COLLATE Modern_Spanish_CI_AS NULL,
[Extension] [nvarchar](4) COLLATE Modern_Spanish_CI_AS NULL,
[Photo] [image] NULL,
[Notes] [ntext] COLLATE Modern_Spanish_CI_AS NULL,
[ReportsTo] [int] NULL,
[PhotoPath] [nvarchar](255) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

dbo.EmployeeTerritories

I F P	Column name	Data type	Nulls	Default	Description
IX FK P	EmployeeID	int	NO		
IX FK P	TerritoryID	nvarchar(20)	NO		

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_EmployeeTerritories	EmployeeID	ASC	Yes	NONCLUSTERED
PK_EmployeeTerritories	TerritoryID	ASC	Yes	NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_EmployeeTerritories_Employees	EmployeeID	PK_Employees (dbo.Employees)	
FK_EmployeeTerritories_Territories	TerritoryID	PK_Territories (dbo.Territories)	

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[EmployeeTerritories](
[EmployeeID] [int] NOT NULL,
[TerritoryID] [nvarchar](20) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
```

dbo.Order Details

Details on products, quantities, and prices for each order in the Orders table.

I F P	Column name	Data type	Nulls	Default	Description
	OrderID	int	NO		Same as Order ID in Orders table.
	ProductID	int	NO		Same as Product ID in Products table.
	UnitPrice	money	NO	(0)	
	Quantity	smallint	NO	(1)	
	Discount	real	NO	(0)	

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Order_Details	OrderID	ASC	Yes	CLUSTERED
PK_Order_Details	ProductID	ASC	Yes	CLUSTERED
OrderID	OrderID	ASC		NONCLUSTERED
OrdersOrder_Details	OrderID	ASC		NONCLUSTERED
ProductID	ProductID	ASC		NONCLUSTERED
ProductsOrder_Details	ProductID	ASC		NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_Order_Details_Orders	OrderID	PK_Orders (dbo.Orders)	
FK_Order_Details_Products	ProductID	PK_Products (dbo.Products)	

Check constraints

Check name	Column name	Expression
CK_Discount	Discount	([Discount] >= 0 and [Discount] <= 1)
CK_Quantity	Quantity	([Quantity] > 0)
CK_UnitPrice	UnitPrice	([UnitPrice] >= 0)

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Objects that depend on dbo.Order Details

dbo.CustOrderHist (Stored procedure)
dbo.CustOrdersDetail (Stored procedure)
dbo.Invoices (VIEW)
dbo.Order Details Extended (VIEW)
dbo.Order Subtotals (VIEW)
dbo.Product Sales for 1997 (VIEW)
dbo.SalesByCategory (Stored procedure)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Order Details](
[OrderID] [int] NOT NULL,
[ProductID] [int] NOT NULL,
[UnitPrice] [money] NOT NULL,
[Quantity] [smallint] NOT NULL,
[Discount] [real] NOT NULL
) ON [PRIMARY]
```

dbo.Orders

Customer name, order date, and freight charge for each order.

I F P	Column name	Data type	Nulls	Default	Description
I P	OrderID	int	NO		
I F	CustomerID	nchar(5)	YES		
I F	EmployeeID	int	YES		Same entry as in Employees table.
I	OrderDate	datetime	YES		
	RequiredDate	datetime	YES		
I	ShippedDate	datetime	YES		
I F	ShipVia	int	YES		Same as Shipper ID in Shippers table.
	Freight	money	YES	(0)	
	ShipName	nvarchar(40)	YES		Name of person or company to receive the shipment.
	ShipAddress	nvarchar(60)	YES		Street address only -- no post-office box allowed.
	ShipCity	nvarchar(15)	YES		
	ShipRegion	nvarchar(15)	YES		State or province.
I	ShipPostalCode	nvarchar(10)	YES		
	ShipCountry	nvarchar(15)	YES		

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Orders	OrderID	ASC	Yes	CLUSTERED
CustomerID	CustomerID	ASC		NONCLUSTERED
CustomersOrders	CustomerID	ASC		NONCLUSTERED
EmployeeID	EmployeeID	ASC		NONCLUSTERED
EmployeesOrders	EmployeeID	ASC		NONCLUSTERED
OrderDate	OrderDate	ASC		NONCLUSTERED
ShippedDate	ShippedDate	ASC		NONCLUSTERED
ShippersOrders	ShipVia	ASC		NONCLUSTERED
ShipPostalCode	ShipPostalCode	ASC		NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_Orders_Customers	CustomerID	PK_Customers (dbo.Customers)	
FK_Orders_Employees	EmployeeID	PK_Employees (dbo.Employees)	
FK_Orders_Shippers	ShipVia	PK_Shippers (dbo.Shippers)	

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Order Details	FK_Order_Details_Orders	PK_Orders

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Field-level extended properties

Column name	Extended property name	Value
OrderID	MS_Descriptions	Unique order number.
CustomerID	MS_Descriptions	Same entry as in Customers table.

Objects that depend on dbo.Orders

dbo.CustOrderHist (Stored procedure)
dbo.CustOrdersOrders (Stored procedure)
dbo.Employee Sales by Country (Stored procedure)
dbo.Invoices (VIEW)
dbo.Orders Qry (VIEW)
dbo.Product Sales for 1997 (VIEW)
dbo.Quarterly Orders (VIEW)
dbo.Sales by Category (VIEW)
dbo.Sales by Year (Stored procedure)
dbo.Sales Totals by Amount (VIEW)
dbo.SalesByCategory (Stored procedure)
dbo.Summary of Sales by Quarter (VIEW)
dbo.Summary of Sales by Year (VIEW)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Orders](
[OrderID] [int] IDENTITY(1,1) NOT NULL,
[CustomerID] [nchar](5) COLLATE Modern_Spanish_CI_AS NULL,
[EmployeeID] [int] NULL,
[OrderDate] [datetime] NULL,
[RequiredDate] [datetime] NULL,
[ShippedDate] [datetime] NULL,
[ShipVia] [int] NULL,
[Freight] [money] NULL,
[ShipName] [nvarchar](40) COLLATE Modern_Spanish_CI_AS NULL,
[ShipAddress] [nvarchar](60) COLLATE Modern_Spanish_CI_AS NULL,
[ShipCity] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[ShipRegion] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[ShipPostalCode] [nvarchar](10) COLLATE Modern_Spanish_CI_AS NULL,
[ShipCountry] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
```

dbo.Products

Product names, suppliers, prices, and units in stock.

I F P	Column name	Data type	Nulls	Default	Description
	ProductID	int	NO		Number automatically assigned to new product.
	ProductName	nvarchar(40)	NO		
FK	SupplierID	int	YES		Same entry as in Suppliers table.
FK	CategoryID	int	YES		Same entry as in Categories table.
	QuantityPerUnit	nvarchar(20)	YES		(e.g., 24-count case, 1-liter bottle).
	UnitPrice	money	YES	(0)	
	UnitsInStock	smallint	YES	(0)	
	UnitsOnOrder	smallint	YES	(0)	
	ReorderLevel	smallint	YES	(0)	Minimum units to maintain in stock.
	Discontinued	bit	NO	(0)	Yes means item is no longer available.

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Products	ProductID	ASC	Yes	CLUSTERED
CategoriesProducts	CategoryID	ASC		NONCLUSTERED
CategoryID	CategoryID	ASC		NONCLUSTERED
ProductName	ProductName	ASC		NONCLUSTERED
SupplierID	SupplierID	ASC		NONCLUSTERED
SuppliersProducts	SupplierID	ASC		NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_Products_Categories	CategoryID	PK_Categories (dbo.Categories)	
FK_Products_Suppliers	SupplierID	PK_Suppliers (dbo.Suppliers)	

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Order Details	FK_Order_Details_Products	PK_Products

Check constraints

Check name	Column name	Expression
CK_Products_UnitPrice	UnitPrice	([UnitPrice] >= 0)
CK_ReorderLevel	ReorderLevel	([ReorderLevel] >= 0)
CK_UnitsInStock	UnitsInStock	([UnitsInStock] >= 0)
CK_UnitsOnOrder	UnitsOnOrder	([UnitsOnOrder] >= 0)

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Objects that depend on dbo.Products

dbo.Alphabetical list of products (VIEW)
dbo.Current Product List (VIEW)
dbo.CustOrderHist (Stored procedure)
dbo.CustOrdersDetail (Stored procedure)
dbo.Invoices (VIEW)
dbo.Order Details Extended (VIEW)
dbo.Product Sales for 1997 (VIEW)
dbo.Products Above Average Price (VIEW)

dbo.Products by Category (VIEW)
dbo.Sales by Category (VIEW)
dbo.SalesByCategory (Stored procedure)
dbo.Ten Most Expensive Products (Stored procedure)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Products](
[ProductID] [int] IDENTITY(1,1) NOT NULL,
[ProductName] [nvarchar](40) COLLATE Modern_Spanish_CI_AS NOT NULL,
[SupplierID] [int] NULL,
[CategoryID] [int] NULL,
[QuantityPerUnit] [nvarchar](20) COLLATE Modern_Spanish_CI_AS NULL,
[UnitPrice] [money] NULL,
[UnitsInStock] [smallint] NULL,
[UnitsOnOrder] [smallint] NULL,
[ReorderLevel] [smallint] NULL,
[Discontinued] [bit] NOT NULL
) ON [PRIMARY]
```

dbo.Region

Sample comment add to test dbdesc
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I	F	P	Column name	Data type	Nulls	Default	Description
			RegionID	int	NO		
			RegionDescription	nchar(50)	NO		

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Region	RegionID	ASC	Yes	NONCLUSTERED

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Territories	FK_Territories_Region	PK_Region

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Region](
[RegionID] [int] NOT NULL,
[RegionDescription] [nchar](50) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
```

dbo.Shippers

Shippers' names and phone numbers.

I	F	P	Column name	Data type	Nulls	Default	Description
			ShipperID	int	NO		Number automatically assigned to new shipper.
			CompanyName	nvarchar(40)	NO		Name of shipping company.
			Phone	nvarchar(24)	YES		Phone number includes country code or area code.

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Shippers	ShipperID	ASC	Yes	CLUSTERED

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Orders	FK_Orders_Shippers	PK_Shippers

Objects that depend on dbo.Shippers

dbo.Invoices (VIEW)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Shippers](
[ShipperID] [int] IDENTITY(1,1) NOT NULL,
[CompanyName] [nvarchar](40) COLLATE Modern_Spanish_CI_AS NOT NULL,
[Phone] [nvarchar](24) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
```

dbo.Suppliers

Suppliers' names, addresses, phone numbers, and hyperlinks to home pages.

I F P	Column name	Data type	Nulls	Default	Description
	SupplierID	int	NO		Number automatically assigned to new supplier.
	CompanyName	nvarchar(40)	NO		
	ContactName	nvarchar(30)	YES		
	ContactTitle	nvarchar(30)	YES		
	Address	nvarchar(60)	YES		Street or post-office box.
	City	nvarchar(15)	YES		
	Region	nvarchar(15)	YES		State or province.
	PostalCode	nvarchar(10)	YES		
	Country	nvarchar(15)	YES		
	Phone	nvarchar(24)	YES		Phone number includes country code or area code.
	Fax	nvarchar(24)	YES		Phone number includes country code or area code.
	HomePage	ntext	YES		Supplier's home page on World Wide Web.

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Suppliers	SupplierID	ASC	Yes	CLUSTERED
CompanyName	CompanyName	ASC		NONCLUSTERED
PostalCode	PostalCode	ASC		NONCLUSTERED

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.Products	FK_Products_Suppliers	PK_Suppliers

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Objects that depend on dbo.Suppliers

dbo.Customer and Suppliers by City (VIEW)

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Suppliers](
[SupplierID] [int] IDENTITY(1,1) NOT NULL,
[CompanyName] [nvarchar](40) COLLATE Modern_Spanish_CI_AS NOT NULL,
[ContactName] [nvarchar](30) COLLATE Modern_Spanish_CI_AS NULL,
[ContactTitle] [nvarchar](30) COLLATE Modern_Spanish_CI_AS NULL,
[Address] [nvarchar](60) COLLATE Modern_Spanish_CI_AS NULL,
[City] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[Region] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[PostalCode] [nvarchar](10) COLLATE Modern_Spanish_CI_AS NULL,
[Country] [nvarchar](15) COLLATE Modern_Spanish_CI_AS NULL,
[Phone] [nvarchar](24) COLLATE Modern_Spanish_CI_AS NULL,
[Fax] [nvarchar](24) COLLATE Modern_Spanish_CI_AS NULL,
[HomePage] [ntext] COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

dbo.Territories

sdfsf

I F P	Column name	Data type	Nulls	Default	Description
	TerritoryID	nvarchar(20)	NO		sdfg
	TerritoryDescription	nchar(50)	NO		sdfg
	RegionID	int	NO		sdfg

Indexes

Index name	Column name	Sort direction	Is unique	Index type
PK_Territories	TerritoryID	ASC	Yes	NONCLUSTERED

Foreign keys

Constraint name	Column name	Reference	Description
FK_Territories_Region	RegionID	PK_Region (dbo.Region)	

Referencing tables

Table name	Foreign key	Primary key or unique constraint
dbo.EmployeeTerritories	FK_EmployeeTerritories_Territories	PK_Territories

Table permissions

User / role	SELECT	INSERT	UPDATE	DELETE	DRI
public	grant	grant	grant	grant	grant

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[Territories](
[TerritoryID] [nvarchar](20) COLLATE Modern_Spanish_CI_AS NOT NULL,
[TerritoryDescription] [nchar](50) COLLATE Modern_Spanish_CI_AS NOT NULL,
[RegionID] [int] NOT NULL
) ON [PRIMARY]
```

dbo.TestTable

This is a test table 2

I F P	Column name	Data type	Nulls	Default	Description
	TestCustomField	TestType(20)	YES	sdcs	

Table definition

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[TestTable](
[TestCustomField] [TestType] NULL
) ON [PRIMARY]
```

VIEWS

dbo.Alphabetical list of products

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Products	ProductID	int	NO	
dbo.Products	ProductName	nvarchar(40)	NO	
dbo.Products	SupplierID	int	YES	
dbo.Products	CategoryID	int	YES	
dbo.Products	QuantityPerUnit	nvarchar(20)	YES	
dbo.Products	UnitPrice	money	YES	
dbo.Products	UnitsInStock	smallint	YES	
dbo.Products	UnitsOnOrder	smallint	YES	
dbo.Products	ReorderLevel	smallint	YES	
dbo.Products	Discontinued	bit	NO	
dbo.Categories	CategoryName	nvarchar(15)	NO	

```
create view "Alphabetical list of products" AS
SELECT Products.*, Categories.CategoryName
FROM Categories INNER JOIN Products ON Categories.CategoryID = Products.CategoryID
WHERE (((Products.Discontinued)=0))
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Products(TABLE)

dbo.Categories(TABLE)

dbo.Category Sales for 1997

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Totals product sales by category based on values returned by the Product Sales for 1997 query.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Product Sales for 1997	CategoryName	nvarchar(15)	NO	CatName
	CategorySales	money	YES	CatSales

```
create view "Category Sales for 1997" AS
SELECT "Product Sales for 1997".CategoryName, Sum("Product Sales for 1997".ProductSales) AS
CategorySales
FROM "Product Sales for 1997"
GROUP BY "Product Sales for 1997".CategoryName
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Product Sales for 1997(VIEW)

dbo.Current Product List

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Filters records in Products table; query returns only products that are not discontinued.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Products	ProductID	int	NO	
dbo.Products	ProductName	nvarchar(40)	NO	

```
create view "Current Product List" AS
SELECT Product_List.ProductID, Product_List.ProductName
FROM Products AS Product_List
WHERE (((Product_List.Discontinued)=0))
--ORDER BY Product_List.ProductName
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Products(TABLE)

dbo.Customer and Suppliers by City

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Customers	City	nvarchar(15)	YES	
dbo.Customers	CompanyName	nvarchar(40)	NO	
dbo.Customers	ContactName	nvarchar(30)	YES	
	Relationship	varchar(9)	NO	

```
create view "Customer and Suppliers by City" AS
SELECT City, CompanyName, ContactName, 'Customers' AS Relationship
FROM Customers
UNION SELECT City, CompanyName, ContactName, 'Suppliers'
FROM Suppliers
--ORDER BY City, CompanyName
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Suppliers(TABLE)

dbo.Customers(TABLE)

dbo.Invoices

Created: 06 Ago 2000 Last updated: 06 Ago 2000

(Criteria) Record source for Invoice report. Based on six tables. Includes expressions that concatenate first and last employee name and that use the CCur function to calculate extended price.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Orders	ShipName	nvarchar(40)	YES	Name of the shipper
dbo.Orders	ShipAddress	nvarchar(60)	YES	
dbo.Orders	ShipCity	nvarchar(15)	YES	
dbo.Orders	ShipRegion	nvarchar(15)	YES	
dbo.Orders	ShipPostalCode	nvarchar(10)	YES	
dbo.Orders	ShipCountry	nvarchar(15)	YES	
dbo.Orders	CustomerID	nchar(5)	YES	
	CustomerName	nvarchar(40)	NO	
dbo.Customers	Address	nvarchar(60)	YES	
dbo.Customers	City	nvarchar(15)	YES	
dbo.Customers	Region	nvarchar(15)	YES	
dbo.Customers	PostalCode	nvarchar(10)	YES	
dbo.Customers	Country	nvarchar(15)	YES	
	Salesperson	nvarchar(31)	NO	
dbo.Orders	OrderID	int	NO	
dbo.Orders	OrderDate	datetime	YES	
dbo.Orders	RequiredDate	datetime	YES	
dbo.Orders	ShippedDate	datetime	YES	
	ShipperName	nvarchar(40)	NO	
dbo.Products	ProductID	int	NO	
dbo.Products	ProductName	nvarchar(40)	NO	
dbo.Order Details	UnitPrice	money	NO	
dbo.Order Details	Quantity	smallint	NO	
dbo.Order Details	Discount	real	NO	
	ExtendedPrice	money	YES	
dbo.Orders	Freight	money	YES	

```
create view Invoices AS
SELECT Orders.ShipName, Orders.ShipAddress, Orders.ShipCity, Orders.ShipRegion, Orders.ShipPostalCode,
Orders.ShipCountry, Orders.CustomerID, Customers.CompanyName AS CustomerName, Customers.Address,
Customers.City,
Customers.Region, Customers.PostalCode, Customers.Country,
(FirstName + ' ' + LastName) AS Salesperson,
Orders.OrderID, Orders.OrderDate, Orders.RequiredDate, Orders.ShippedDate, Shippers.CompanyName As
ShipperName,
 "Order Details".ProductID, Products.ProductName, "Order Details".UnitPrice, "Order Details".Quantity,
 "Order Details".Discount,
 (CONVERT(money,("Order Details".UnitPrice*Quantity*(1-Discount)100))*100) AS ExtendedPrice,
Orders.Freight
FROM Shippers INNER JOIN
(Products INNER JOIN
 (
(Employees INNER JOIN
(Customers INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID)
 ON Employees.EmployeeID = Orders.EmployeeID)
 INNER JOIN "Order Details" ON Orders.OrderID = "Order Details".OrderID)
 ON Products.ProductID = "Order Details".ProductID)
 ON Shippers.ShipperID = Orders.ShipVia
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI

public	grant	grant	grant	grant

Related objects

dbo.Customers(TABLE)
dbo.Shippers(TABLE)
dbo.Employees(TABLE)
dbo.Order Details(TABLE)
dbo.Products(TABLE)
dbo.Orders(TABLE)

dbo.Order Details Extended

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for several forms and reports. Uses CCur function to compute the ExtendedPrice for each item ordered.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Order Details	OrderID	int	NO	
dbo.Products	ProductID	int	NO	
dbo.Products	ProductName	nvarchar(40)	NO	
dbo.Order Details	UnitPrice	money	NO	
dbo.Order Details	Quantity	smallint	NO	
dbo.Order Details	Discount	real	NO	
	ExtendedPrice	money	YES	

```
create view "Order Details Extended" AS
SELECT "Order Details".OrderID, "Order Details".ProductID, Products.ProductName,
 "Order Details".UnitPrice, "Order Details".Quantity, "Order Details".Discount,
 (CONVERT(money,("Order Details".UnitPrice*Quantity*(1-Discount)100))*100)  AS ExtendedPrice
FROM Products INNER JOIN "Order Details" ON Products.ProductID = "Order Details".ProductID
--ORDER BY "Order Details".OrderID
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Order Details(TABLE)

dbo.Products(TABLE)

dbo.Sales by Category(VIEW)

dbo.Order Subtotals

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for other queries. Uses Sum and CCur functions to compute subtotal for each order.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Order Details	OrderID	int	NO	
	Subtotal	money	YES	

```
create view "Order Subtotals" AS
SELECT "Order Details".OrderID, Sum(CONVERT(money,("Order
Details".UnitPrice*Quantity*(1-Discount)100))*100)  AS Subtotal
FROM "Order Details"
GROUP BY "Order Details".OrderID
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Order Details(TABLE)
dbo.Employee Sales by Country(SP)
dbo.Sales by Year(SP)
dbo.Sales Totals by Amount(VIEW)
dbo.Summary of Sales by Quarter(VIEW)
dbo.Summary of Sales by Year(VIEW)

dbo.Orders Qry

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Orders	OrderID	int	NO	
dbo.Orders	CustomerID	nchar(5)	YES	
dbo.Orders	EmployeeID	int	YES	
dbo.Orders	OrderDate	datetime	YES	
dbo.Orders	RequiredDate	datetime	YES	
dbo.Orders	ShippedDate	datetime	YES	
dbo.Orders	ShipVia	int	YES	
dbo.Orders	Freight	money	YES	
dbo.Orders	ShipName	nvarchar(40)	YES	
dbo.Orders	ShipAddress	nvarchar(60)	YES	
dbo.Orders	ShipCity	nvarchar(15)	YES	
dbo.Orders	ShipRegion	nvarchar(15)	YES	
dbo.Orders	ShipPostalCode	nvarchar(10)	YES	
dbo.Orders	ShipCountry	nvarchar(15)	YES	
dbo.Customers	CompanyName	nvarchar(40)	NO	
dbo.Customers	Address	nvarchar(60)	YES	
dbo.Customers	City	nvarchar(15)	YES	
dbo.Customers	Region	nvarchar(15)	YES	
dbo.Customers	PostalCode	nvarchar(10)	YES	
dbo.Customers	Country	nvarchar(15)	YES	

```
create view "Orders Qry" AS
SELECT Orders.OrderID, Orders.CustomerID, Orders.EmployeeID, Orders.OrderDate, Orders.RequiredDate,
Orders.ShippedDate, Orders.ShipVia, Orders.Freight, Orders.ShipName, Orders.ShipAddress,
Orders.ShipCity,
Orders.ShipRegion, Orders.ShipPostalCode, Orders.ShipCountry,
 Customers.CompanyName, Customers.Address, Customers.City, Customers.Region, Customers.PostalCode,
Customers.Country
FROM Customers INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Customers(TABLE)

dbo.Orders(TABLE)

dbo.Product Sales for 1997

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for Category Sales for 1997 query. Uses Sum and CCur functions.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Categories	CategoryName	nvarchar(15)	NO	
dbo.Products	ProductName	nvarchar(40)	NO	
	ProductSales	money	YES	

```
create view "Product Sales for 1997" AS
SELECT Categories.CategoryName, Products.ProductName,
Sum(CONVERT(money,("Order Details".UnitPrice*Quantity*(1-Discount)100))*100) AS ProductSales
FROM (Categories INNER JOIN Products ON Categories.CategoryID = Products.CategoryID)
 INNER JOIN (Orders
 INNER JOIN "Order Details" ON Orders.OrderID = "Order Details".OrderID)
 ON Products.ProductID = "Order Details".ProductID
WHERE (((Orders.ShippedDate) Between '19970101' And '19971231'))
GROUP BY Categories.CategoryName, Products.ProductName
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Order Details(TABLE)
dbo.Categories(TABLE)
dbo.Products(TABLE)
dbo.Orders(TABLE)
dbo.Category Sales for 1997(VIEW)

dbo.Products Above Average Price

Created: 06 Ago 2000 Last updated: 06 Ago 2000

(Subquery) Returns products that have a unit price higher than the average.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Products	ProductName	nvarchar(40)	NO	
dbo.Products	UnitPrice	money	YES	

```
create view "Products Above Average Price" AS
SELECT Products.ProductName, Products.UnitPrice
FROM Products
WHERE Products.UnitPrice>(SELECT AVG(UnitPrice) From Products)
--ORDER BY Products.UnitPrice DESC
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Products(TABLE)

dbo.Products by Category

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Categories	CategoryName	nvarchar(15)	NO	
dbo.Products	ProductName	nvarchar(40)	NO	
dbo.Products	QuantityPerUnit	nvarchar(20)	YES	
dbo.Products	UnitsInStock	smallint	YES	
dbo.Products	Discontinued	bit	NO	

```
create view "Products by Category" AS
SELECT Categories.CategoryName, Products.ProductName, Products.QuantityPerUnit, Products.UnitsInStock,
Products.Discontinued
FROM Categories INNER JOIN Products ON Categories.CategoryID = Products.CategoryID
WHERE Products.Discontinued <> 1
--ORDER BY Categories.CategoryName, Products.ProductName
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Categories(TABLE)

dbo.Products(TABLE)

dbo.Quarterly Orders

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for Quarterly Orders form. Lists only customers who had orders in 1995.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Orders	CustomerID	nchar(5)	YES	
dbo.Customers	CompanyName	nvarchar(40)	YES	
dbo.Customers	City	nvarchar(15)	YES	
dbo.Customers	Country	nvarchar(15)	YES	

```
create view "Quarterly Orders" AS
SELECT DISTINCT Customers.CustomerID, Customers.CompanyName, Customers.City, Customers.Country
FROM Customers RIGHT JOIN Orders ON Customers.CustomerID = Orders.CustomerID
WHERE Orders.OrderDate BETWEEN '19970101' And '19971231'
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Customers(TABLE)

dbo.Orders(TABLE)

dbo.Sales by Category

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for Sales by Category report.

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Products	CategoryID	int	NO	
dbo.Categories	CategoryName	nvarchar(15)	NO	
dbo.Products	ProductName	nvarchar(40)	NO	
	ProductSales	money	YES	

```
create view "Sales by Category" AS
SELECT Categories.CategoryID, Categories.CategoryName, Products.ProductName,
 Sum("Order Details Extended".ExtendedPrice) AS ProductSales
FROM Categories INNER JOIN
(Products INNER JOIN
(Orders INNER JOIN "Order Details Extended" ON Orders.OrderID = "Order Details Extended".OrderID)
 ON Products.ProductID = "Order Details Extended".ProductID)
 ON Categories.CategoryID = Products.CategoryID
WHERE Orders.OrderDate BETWEEN '19970101' And '19971231'
GROUP BY Categories.CategoryID, Categories.CategoryName, Products.ProductName
--ORDER BY Products.ProductName
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Categories(TABLE)

dbo.Products(TABLE)

dbo.Orders(TABLE)

dbo.Order Details Extended(VIEW)

dbo.Sales Totals by Amount

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
	SaleAmount	money	YES	
dbo.Orders	OrderID	int	NO	
dbo.Customers	CompanyName	nvarchar(40)	NO	
dbo.Orders	ShippedDate	datetime	YES	

```
create view "Sales Totals by Amount" AS
SELECT "Order Subtotals".Subtotal AS SaleAmount, Orders.OrderID, Customers.CompanyName,
Orders.ShippedDate
FROM Customers INNER JOIN
(Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID)
 ON Customers.CustomerID = Orders.CustomerID
WHERE ("Order Subtotals".Subtotal >2500) AND (Orders.ShippedDate BETWEEN '19970101' And '19971231')
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Customers(TABLE)
dbo.Orders(TABLE)
dbo.Order Subtotals(VIEW)

dbo.Summary of Sales by Quarter

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Orders	ShippedDate	datetime	YES	
dbo.Orders	OrderID	int	NO	
dbo.Order Subtotals	Subtotal	money	YES	

```
create view "Summary of Sales by Quarter" AS
SELECT Orders.ShippedDate, Orders.OrderID, "Order Subtotals".Subtotal
FROM Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID
WHERE Orders.ShippedDate IS NOT NULL
--ORDER BY Orders.ShippedDate
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Orders(TABLE)

dbo.Order Subtotals(VIEW)

dbo.Summary of Sales by Year

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Resultset

Source	Column name	Data type	Nulls	Description
dbo.Orders	ShippedDate	datetime	YES	
dbo.Orders	OrderID	int	NO	
dbo.Order Subtotals	Subtotal	money	YES	

```
create view "Summary of Sales by Year" AS
SELECT Orders.ShippedDate, Orders.OrderID, "Order Subtotals".Subtotal
FROM Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID
WHERE Orders.ShippedDate IS NOT NULL
--ORDER BY Orders.ShippedDate
```

View permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public	grant	grant	grant	grant		

Related objects

dbo.Orders(TABLE)

dbo.Order Subtotals(VIEW)

Stored procedures

dbo.CustOrderHist

Created: 06 Ago 2000 Last updated: 06 Ago 2000

This description has been extracted from the procedure definition

Parameters

PARAMETER NAME	DATA TYPE	MODE	DESCRIPTION
@CustomerID	nchar	IN	This is stored procedure parameter description

```
/* This description has been extracted from the procedure definition */
CREATE PROCEDURE CustOrderHist @CustomerID nchar(5)
AS
SELECT ProductName, Total=SUM(Quantity)
FROM Products P, [Order Details] OD, Orders O, Customers C
WHERE C.CustomerID = @CustomerID
AND C.CustomerID = O.CustomerID AND O.OrderID = OD.OrderID AND OD.ProductID = P.ProductID
GROUP BY ProductName
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Order Details(TABLE)

dbo.Customers(TABLE)

dbo.Products(TABLE)

dbo.Orders(TABLE)

dbo.CustOrdersDetail

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for several forms and reports. Uses CCur function to compute the ExtendedPrice for each item ordered.

Parameters

PARAMETER NAME	DATA TYPE	MODE	DESCRIPTION
@OrderID	int	IN	

```
CREATE PROCEDURE CustOrdersDetail @OrderID int
AS
SELECT ProductName,
    UnitPrice=ROUND(Od.UnitPrice, 2),
    Quantity,
    Discount=CONVERT(int, Discount * 100),
    ExtendedPrice=ROUND(CONVERT(money, Quantity * (1 - Discount) * Od.UnitPrice), 2)
FROM Products P, [Order Details] Od
WHERE Od.ProductID = P.ProductID and Od.OrderID = @OrderID
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Order Details(TABLE)

dbo.Products(TABLE)

dbo.CustOrdersOrders

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Parameters

PARAMETER NAME	DATA TYPE	MODE	DESCRIPTION
@CustomerID	nchar	IN	

```
CREATE PROCEDURE CustOrdersOrders @CustomerID nchar(5)
AS
SELECT OrderID,
 OrderDate,
 RequiredDate,
 ShippedDate
FROM Orders
WHERE CustomerID = @CustomerID
ORDER BY OrderID
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Orders(TABLE)

dbo.Employee Sales by Country

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for Employee Sales by Country report. Prompts for beginning and ending dates.

Parameters

PARAMETER NAME	DATA TYPE	MODE	DESCRIPTION
@Beginning_Date	datetime	IN	
@Ending_Date	datetime	IN	

```
create procedure "Employee Sales by Country"
@Beginning_Date DateTime, @Ending_Date DateTime AS
SELECT Employees.Country, Employees.LastName, Employees.FirstName, Orders.ShippedDate, Orders.OrderID,
"Order Subtotals".Subtotal AS SaleAmount
FROM Employees INNER JOIN
(Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID)
 ON Employees.EmployeeID = Orders.EmployeeID
WHERE Orders.ShippedDate Between @Beginning_Date And @Ending_Date
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Employees(TABLE)

dbo.Orders(TABLE)

dbo.Order Subtotals(VIEW)

dbo.Sales by Year

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for Sales by Year report and its subreport. Refers to controls on Sales by Year Dialog for parameter values. Uses Format function to return the year value of a shipped date.

Parameters

PARAMETER NAME	DATA TYPE	MODE	DESCRIPTION
@Beginning_Date	datetime	IN	
@Ending_Date	datetime	IN	

```
create procedure "Sales by Year"
@Beginning_Date DateTime, @Ending_Date DateTime AS
SELECT Orders.ShippedDate, Orders.OrderID, "Order Subtotals".Subtotal, DATENAME(yy,ShippedDate) AS Year
FROM Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID
WHERE Orders.ShippedDate Between @Beginning_Date And @Ending_Date
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Orders(TABLE)

dbo.Order Subtotals(VIEW)

dbo.SalesByCategory

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Record source for Sales by Category report.

Parameters

PARAMETER NAME	DATA TYPE	MODE	DESCRIPTION
@CategoryName	nvarchar	IN	
@OrdYear	nvarchar	IN	

```
CREATE PROCEDURE SalesByCategory
    @CategoryName nvarchar(15), @OrdYear nvarchar(4) = '1998'
AS
IF @OrdYear != '1996' AND @OrdYear != '1997' AND @OrdYear != '1998'
BEGIN
SELECT @OrdYear = '1998'
END

SELECT ProductName,
 TotalPurchase=ROUND(SUM(CONVERT(decimal(14,2), OD.Quantity * (1-OD.Discount) * OD.UnitPrice)), 0)
FROM [Order Details] OD, Orders O, Products P, Categories C
WHERE OD.OrderID = O.OrderID
 AND OD.ProductID = P.ProductID
 AND P.CategoryID = C.CategoryID
AND C.CategoryName = @CategoryName
AND SUBSTRING(CONVERT(nvarchar(22), O.OrderDate, 111), 1, 4) = @OrdYear
GROUP BY ProductName
ORDER BY ProductName
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Order Details(TABLE)

dbo.Categories(TABLE)

dbo.Products(TABLE)

dbo.Orders(TABLE)

dbo.Ten Most Expensive Products

Created: 06 Ago 2000 Last updated: 06 Ago 2000

Returns 10 most expensive products. Specifies the number of highest values to return using the Top Values box on the toolbar.

```
create procedure "Ten Most Expensive Products" AS
SET ROWCOUNT 10
SELECT Products.ProductName AS TenMostExpensiveProducts, Products.UnitPrice
FROM Products
ORDER BY Products.UnitPrice DESC
```

Stored procedure permissions

User / role	SELECT	INSERT	UPDATE	DELETE	EXECUTE	DRI
public					grant	

Related objects

dbo.Products(TABLE)

User-defined data types

UDT Name	Data type	Length	Allow nulls	Description
TestType	varchar	20	not null	

Users

User name	Login name	Created	Roles	User description
dbo	sa	06/08/2000	db_owner	
guest		06/08/2000		

Roles

Role name	App role	Users with this role	Role description
db_accessadmin			
db_backupoperator			
db_datareader			
db_datawriter			
db_ddladmin			
db_denydatareader			
db_denydatawriter			
db_owner		dbo	
db_securityadmin			
public			