

AuroraRetail — Dependency Documentation

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Inventory

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Functions

dbo.fn_CustomerTier

Referenced by: sales.vw_CustomerLifetimeValue

References: dbo.OrderLines, dbo.Orders

dbo.fn_OrderTotal

Referenced by: dbo.vw_OpenOrders

References: dbo.OrderLines

```
CREATE FUNCTION dbo.fn_OrderTotal (@OrderId INT)
RETURNS DECIMAL(12,2) AS
BEGIN
    RETURN (SELECT SUM(Quantity * UnitPrice)
            FROM dbo.OrderLines WHERE OrderId = @OrderId);
END
```

StoredProcedures

dbo.usp_PlaceOrder

References: dbo.Inventory, dbo.OrderLines, dbo.Orders

```
CREATE PROCEDURE dbo.usp_PlaceOrder
    @CustomerId INT, @Lines dbo.OrderLineList READONLY
AS
BEGIN
    SET NOCOUNT ON;
    BEGIN TRAN;
        INSERT dbo.Orders (CustomerId) VALUES (@CustomerId);
        DECLARE @OrderId INT = SCOPE_IDENTITY();
        INSERT dbo.OrderLines (OrderId, ProductId, Quantity, UnitPrice)
        SELECT @OrderId, ProductId, Quantity, dbo.fn_CurrentPrice(ProductId)
        FROM @Lines;
        UPDATE i SET OnHand = i.OnHand - l.Quantity
        FROM dbo.Inventory i JOIN @Lines l ON l.ProductId = i.ProductId;
    COMMIT;
END
```

dbo.usp_RestockInventory

References: dbo.Inventory, dbo.Suppliers

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sales.usp_MonthlySalesReport

References: dbo.vw_OpenOrders, sales.vw_CustomerLifetimeValue

Tables

audit.AuditLog

Referenced by: dbo.trg_Orders_Audit

dbo.Categories

Referenced by: dbo.Products, dbo.vw_ProductCatalog

dbo.Customers

Referenced by: dbo.Orders, dbo.vw_OpenOrders, sales.vw_CustomerLifetimeValue

```
CREATE TABLE dbo.Customers (  
    CustomerId INT IDENTITY PRIMARY KEY,  
    Email NVARCHAR(256) NOT NULL UNIQUE,  
    FullName NVARCHAR(200) NOT NULL,  
    CreatedUtc DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME()  
);
```

dbo.Inventory

Referenced by: dbo.usp_PlaceOrder, dbo.usp_RestockInventory, dbo.vw_ProductCatalog

References: dbo.Products

dbo.OrderLines

Referenced by: dbo.fn_CustomerTier, dbo.fn_OrderTotal, dbo.usp_PlaceOrder, sales.vw_CustomerLifetimeValue

References: dbo.Orders, dbo.Products

```
CREATE TABLE dbo.OrderLines (  
    OrderLineId BIGINT IDENTITY PRIMARY KEY,  
    OrderId INT NOT NULL REFERENCES dbo.Orders(OrderId),  
    ProductId INT NOT NULL REFERENCES dbo.Products(ProductId),  
    Quantity INT NOT NULL,  
    UnitPrice DECIMAL(10,2) NOT NULL  
);
```

dbo.Orders

Referenced by: dbo.fn_CustomerTier, dbo.OrderLines, dbo.trg_Orders_Audit, dbo.usp_PlaceOrder, dbo.vw_OpenOrders

References: dbo.Customers

```
CREATE TABLE dbo.Orders (  
    OrderId INT IDENTITY PRIMARY KEY,  
    CustomerId INT NOT NULL REFERENCES dbo.Customers(CustomerId),  
    Status TINYINT NOT NULL DEFAULT 0,  
    PlacedUtc DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME()  
);
```

dbo.Products

Referenced by: dbo.Inventory, dbo.OrderLines, dbo.vw_ProductCatalog

References: dbo.Categories, dbo.Suppliers

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```
CREATE TABLE dbo.Products (
    ProductId INT IDENTITY PRIMARY KEY,
    CategoryId INT NOT NULL REFERENCES dbo.Categories(CategoryId),
    SupplierId INT NOT NULL REFERENCES dbo.Suppliers(SupplierId),
    Sku NVARCHAR(32) NOT NULL UNIQUE,
    Name NVARCHAR(200) NOT NULL,
    ListPrice DECIMAL(10,2) NOT NULL
);
```

dbo.Suppliers

Referenced by: dbo.Products, dbo.usp_RestockInventory, dbo.vw_ProductCatalog

Triggers

dbo.trg_Orders_Audit

References: audit.AuditLog, dbo.Orders

```
CREATE TRIGGER dbo.trg_Orders_Audit ON dbo.Orders AFTER INSERT, UPDATE AS
INSERT audit.AuditLog (TableName, KeyValue, ChangedUtc)
SELECT 'Orders', OrderId, SYSUTCDATETIME() FROM inserted;
```

Views

dbo.vw_OpenOrders

Referenced by: sales.usp_MonthlySalesReport

References: dbo.Customers, dbo.fn_OrderTotal, dbo.Orders

```
CREATE VIEW dbo.vw_OpenOrders AS
SELECT o.OrderId, c.FullName, o.PlacedUtc,
       dbo.fn_OrderTotal(o.OrderId) AS OrderTotal
FROM dbo.Orders o
JOIN dbo.Customers c ON c.CustomerId = o.CustomerId
WHERE o.Status IN (0, 1);
```

dbo.vw_ProductCatalog

References: dbo.Categories, dbo.Inventory, dbo.Products, dbo.Suppliers

```
CREATE VIEW dbo.vw_ProductCatalog AS
SELECT p.Sku, p.Name, cat.Name AS Category, s.Name AS Supplier,
       p.ListPrice, i.OnHand
FROM dbo.Products p
JOIN dbo.Categories cat ON cat.CategoryId = p.CategoryId
JOIN dbo.Suppliers s ON s.SupplierId = p.SupplierId
JOIN dbo.Inventory i ON i.ProductId = p.ProductId;
```

sales.vw_CustomerLifetimeValue

Referenced by: sales.usp_MonthlySalesReport

References: dbo.Customers, dbo.fn_CustomerTier, dbo.OrderLines