Schema Diagram:



SQL Script :

USE [InventoryManagement]

GO

/\*\*\*\*\*\* Object: Table [dbo].[ProductBundle] Script Date: 09-03-2024 22:10:47 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[ProductBundle](

[BundleID] [int] IDENTITY(1,1) NOT NULL,

[BundleName] [varchar](255) NOT NULL,

[UnitsInBundle] [int] NULL,

[IsFinishedProduct] [bit] NOT NULL,

[MaxUnitsToBuild] [int] NULL,

[ParentBundleID] [int] NULL,

PRIMARY KEY CLUSTERED

(

[BundleID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[ProductBundle] WITH CHECK ADD FOREIGN KEY([ParentBundleID])

REFERENCES [dbo].[ProductBundle] ([BundleID])

GO

------------------------------------------------------------------------------

USE [InventoryManagement]

GO

/\*\*\*\*\*\* Object: Table [dbo].[ProductSubBundle] Script Date: 09-03-2024 22:11:13 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[ProductSubBundle](

[SubBundleId] [int] IDENTITY(1,1) NOT NULL,

[SubBundleName] [varchar](255) NOT NULL,

[MaxUnitsToBuild] [int] NULL,

[BundleID] [int] NULL,

[ParentSubBundleId] [int] NULL,

PRIMARY KEY CLUSTERED

(

[SubBundleId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[ProductSubBundle] WITH CHECK ADD FOREIGN KEY([BundleID])

REFERENCES [dbo].[ProductBundle] ([BundleID])

GO

ALTER TABLE [dbo].[ProductSubBundle] WITH CHECK ADD FOREIGN KEY([ParentSubBundleId])

REFERENCES [dbo].[ProductSubBundle] ([SubBundleId])

GO

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USE [InventoryManagement]

GO

/\*\*\*\*\*\* Object: Table [dbo].[ProductSpareParts] Script Date: 09-03-2024 22:11:30 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[ProductSpareParts](

[SparePartID] [int] IDENTITY(1,1) NOT NULL,

[SparePartName] [varchar](255) NOT NULL,

[TotalInventoty] [int] NULL,

[BalanceInventory] [int] NULL,

[BundleID] [int] NULL,

[SubBundleID] [int] NULL,

PRIMARY KEY CLUSTERED

(

[SparePartID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[ProductSpareParts] WITH CHECK ADD FOREIGN KEY([BundleID])

REFERENCES [dbo].[ProductBundle] ([BundleID])

GO

ALTER TABLE [dbo].[ProductSpareParts] WITH CHECK ADD FOREIGN KEY([SubBundleID])

REFERENCES [dbo].[ProductSubBundle] ([SubBundleId])

GO