**1.0 Data Definition**

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| 1. **Authority (Authority)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | AuthorityID | Int | Max | Primary Key, Not Null |
|  | AuthorityName | Nvarchar | 150 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Business Unit (BUnit)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | BUID | Int | Max | Primary Key, Not Null |
|  | BUName | Nvarchar | 150 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Cabinet (Cabinet)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | CabinetID | Int | Max | Primary Key, Not Null |
|  | CabinetName | Nvarchar | 150 | Not Null |
|  | WhouseID | Int | Max | Foreign Key(Store), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | MAx | Null |

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| 1. **Cost Centre (CostCentre)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | CostCentreID | Int | Max | Primary Key, Not Null |
|  | CostCentreName | Nvarchar | 150 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Drawer (Drawer)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | DrawerID | Int | Max | Primary Key, Not Null |
|  | DrawerNameName | Nvarchar | 150 | Not Null |
|  | CabinetID | Int | Max | Foreign Key (Cabinet), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Main Category (MainCategory)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | MainCategoryID | Int | Max | Primary Key, Not Null |
|  | MainCategoryName | Nvarchar | 150 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Maker (Maker)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | MakerID | Int | Max | Primary Key, Not Null |
|  | MakerName | Nvarchar | 150 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Part Inventory (PartInv)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PartInvID | Int | Max | Primary Key, Not Null |
|  | PartID | Int | Max | Foerign Key (Part Master),Not Null |
|  | StockInv | Int | Max | Default 0 |
|  | MinQty | Int | Max | Default 0 |
|  | MaxQty | Int | Max | Default 0 |
|  | LowQty | Int | Max | Default 0 |
|  | LeadTime | Int | Max | Default 0 |
|  | DrawerID | Int | Max | Foreign Key (Drawer), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Part Maker (PartMaker)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PartMakerID | Int | Max | Primary Key, Not Null |
|  | PartID | Int | Max | Foreign Key (Part Master), Not Null |
|  | MakerID | Int | Max | Foreign Key (Maker), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | N/A | Null |
|  | DateModified | DateTime | N/A | Null |

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| 1. **Part Master (PartMaster)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PartID | Int | Max | Primary Key, Not Null |
|  | PartNo | Nvarchar | 80 | Not Null |
|  | ItemNo | Nvarchar | 80 | Not Null |
|  | PartName | Nvarchar | 250 | Not Null |
|  | PartImage | Varbinary | Max | Null |
|  | PartImagePath | Nvarchar | 250 | Null |
|  | PartImageFileType | Nvarchar | 20 | Null |
|  | PartDrawingImage | Varbinary | Max | Null |
|  | PartDrawingPath | Nvarchar | 250 | Null |
|  | PartDrawingFileType | Nvarchar | 20 | Null |
|  | SubCategoryID | Int | Max | Foreign Key (Sub Category), Not Null |
|  | VendorID | Int | Max | Foreign Key (Vendor), Not Null |
|  | MakerID | Int | Max | Foreign Key (Maker), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Part Transfer In (PartTransferIn)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PartTransferInID | Int | Max | Primary Key, Not Null |
|  | PartID | Int | Max | Foreign Key (Part Master), Not Null |
|  | Qty | Int | Max | Default 0, System will update QTY in part inventory |
|  | BUID | Int | Max | Not Null |
|  | DrawerID | Int | Max | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null, to add ‘Confirm’ button to add item in inventory. |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Part Transfer Out (PartTransferOut)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PartTransferOutID | Int | Max | Primary Key, Not Null |
|  | PartID | Int | Max | Foreign Key (Part Master), Not Null |
|  | Qty | Int | Max | Default 0 |
|  | FromDrawerID | Int | Max | Foreign Key (Drawer), Not Null |
|  | ToStoreID | Int | Max | Foreign Key (Store) ,Not Null |
|  | TransferType | Nvarchar | 30 | Transfer In, Charge Out , Deduct from store, add confirm button |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Part Vendor (PartVendor)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PartVendorID | Int | Max | Primary Key, Not Null |
|  | PartID | Int | Max | Foreign Key (Part Master), Not Null |
|  | VendorID | Int | Max | Foreign Key (Vendor), Not Null |
|  | Price | Decimal | 18,2 | Default = 0 |
|  | Currency | Nvarchar | 20 |  |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Plant (Plant)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | PlantID | Int | Max | Primary Key, Not Null |
|  | PlantName | Nvarchar | 20 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Section (Section)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | SectionID | Int | Max | Primary Key, Not Null |
|  | SAPCode | Nvarchar | 50 | Not Null |
|  | SectionName | Nvarchar | 150 | Not Null |
|  | CostCentreID | Int | Max | Foreign Key (Cost Center), Not Null |
|  | BUID | Int | Max | Foreign Key (Business Unit), Not Null |
|  | PlantID | Int | Max | Foreign Key (Plant), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Status Request (StatusRequest)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | StatusRequestID | Int | Max | Primary Key, Not Null |
|  | StatusName | Nvarchar | 50 | Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Store (Store)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | WhouseID | Int | Max | Primary Key, Not Null |
|  | WhouseName | Nvarchar | 50 | Not Null |
|  | SectionID | Int | Max | Foreign Key (Section), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Sub Category (SubCategory)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | SubCategoryID | Int | Max | Primary Key, Not Null |
|  | SubCategoryName | Nvarchar | 150 | Not Null |
|  | MainCategoryID | Int | Max | Foreign Key (Main Category), Not Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

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| 1. **Vendor (Vendor)** | | | | |
| **No.** | **Column Name** | **Type** | **Length** | **Constraint** |
|  | VendorID | Int | Max | Primary Key, Not Null |
|  | VendorNo | Nvarchar | 50 | Not Null |
|  | AccountGroup | Nvarchar | 20 | Not Null |
|  | VendorName | Nvarchar | 250 | Not Null |
|  | SAPVendorCode | Nvarchar | 50 | Null |
|  | PhoneNo | Nvarchar | 100 | Null |
|  | Email | Nvarchar | 250 | Null |
|  | Description | Nvarchar | 300 | Null |
|  | Status | Nvarchar | 50 | Null |
|  | IsActive | Bit | Max | Default 0 |
|  | UserCreated | Nvarchar | 10 | Null |
|  | UserModified | Nvarchar | 10 | Null |
|  | DateCreated | DateTime | Max | Null |
|  | DateModified | DateTime | Max | Null |

**2.0 Entity Relationship**

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| **No.** | **Table Name** | **Remarks** |
| 1 | 1. Store->Cabinet | Plant/Business Unit/CostCentre->Section->Store->Cabinet-.Drawer |
| 2. | a. Cabinet->Drawer |  |
| 3. | a. Part->PartInv  b. Drawer->PartInv |  |
| 4. | a. CostCenter->Section  b. Business Unit->Section  c. Plant->Section |  |
| 5. | a. Main Category->Sub Category |  |
| 6. | a. Section->Store |  |
| 7. | a. Part Master->Part Transfer Out  b. Drawer->Part Transfer Out  c. Store->Part Transfer Out |  |
| 8. | a. Part Master->Part Transfer In  b. Business Unit->Part Transfer In  c. Drawer->Part Transfer In |  |
| 9. | a. Sub Category->Part Master |  |
| 10. | a. Part Master->Part Maker  b. Maker->Part Maker |  |

**3.0 Create Table Script**

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| **No.** | **Table Name** | **Script** |
| 1 | Authority |  |
| 2. | Business Unit | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[BusinessUnit] Script Date: 9/29/2020 9:06:10 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[BusinessUnit](  [ID] [int] IDENTITY(1,1) NOT NULL,  [BusinessUnitName] [nvarchar](250) NOT NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  [Description] [nvarchar](300) NULL,  [Status] [nvarchar](50) NULL,  CONSTRAINT [PK\_dbo.BusinessUnit] PRIMARY KEY CLUSTERED  (  [ID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[BusinessUnit] ADD CONSTRAINT [DF\_BusinessUnit\_IsActive] DEFAULT ((1)) FOR [IsActive]  GO |
| 3. | Cabinet | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Cabinet] Script Date: 9/29/2020 9:11:33 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Cabinet](  [CabinetID] [int] IDENTITY(1,1) NOT NULL,  [CabinetName] [nvarchar](50) NOT NULL,  [WhouseID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Cabinet] PRIMARY KEY CLUSTERED  (  [CabinetID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Cabinet] ADD CONSTRAINT [df\_IsActiveCabinet] DEFAULT ((0)) FOR [IsActive]  GO  ALTER TABLE [dbo].[Cabinet] WITH CHECK ADD CONSTRAINT [FK\_dbo.Cabinet\_dbo.Cabinet\_ID] FOREIGN KEY([WhouseID])  REFERENCES [dbo].[Store] ([WhouseID])  GO  ALTER TABLE [dbo].[Cabinet] CHECK CONSTRAINT [FK\_dbo.Cabinet\_dbo.Cabinet\_ID]  GO |
| 4. | Cost Centre | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[CostCentre] Script Date: 9/29/2020 9:07:13 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[CostCentre](  [CostCentreID] [int] IDENTITY(1,1) NOT NULL,  [CostCentreName] [nvarchar](150) NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.CostCentre] PRIMARY KEY CLUSTERED  (  [CostCentreID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[CostCentre] ADD CONSTRAINT [df\_IsActiveCostCentre] DEFAULT ((1)) FOR [IsActive]  GO |
| 5. | Drawer | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Drawer] Script Date: 9/29/2020 9:11:08 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Drawer](  [DrawerID] [int] IDENTITY(1,1) NOT NULL,  [DrawerName] [nvarchar](50) NOT NULL,  [CabinetID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Drawer] PRIMARY KEY CLUSTERED  (  [DrawerID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Drawer] ADD CONSTRAINT [df\_IsActiveDrawer] DEFAULT ((1)) FOR [IsActive]  GO  ALTER TABLE [dbo].[Drawer] WITH CHECK ADD CONSTRAINT [FK\_dbo.Drawer\_dbo.Cabinet\_ID] FOREIGN KEY([CabinetID])  REFERENCES [dbo].[Cabinet] ([CabinetID])  GO  ALTER TABLE [dbo].[Drawer] CHECK CONSTRAINT [FK\_dbo.Drawer\_dbo.Cabinet\_ID]  GO |
| 6. | Category | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Category] Script Date: 9/29/2020 9:05:45 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Category](  [CategoryID] [int] IDENTITY(1,1) NOT NULL,  [CategoryName] [nvarchar](150) NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Category] PRIMARY KEY CLUSTERED  (  [CategoryID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Category] ADD CONSTRAINT [df\_IsActiveCategory] DEFAULT ((1)) FOR [IsActive]  GO |
| 7. | Maker | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Maker] Script Date: 9/29/2020 9:05:21 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Maker](  [MakerID] [int] IDENTITY(1,1) NOT NULL,  [MakerName] [nvarchar](150) NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Maker] PRIMARY KEY CLUSTERED  (  [MakerID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Maker] ADD CONSTRAINT [df\_IsActiveMaker] DEFAULT ((1)) FOR [IsActive]  GO |
| 8. | Part Inventory | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[PartInv] Script Date: 9/29/2020 9:13:51 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[PartInv](  [PartInvID] [int] IDENTITY(1,1) NOT NULL,  [PartID] [int] NOT NULL,  [StockInv] [int] NOT NULL,  [MinQty] [int] NOT NULL,  [MaxQty] [int] NOT NULL,  [LowQty] [int] NOT NULL,  [LeadTime] [int] NULL,  [DrawerID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.PartInv] PRIMARY KEY CLUSTERED  (  [PartInvID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[PartInv] ADD CONSTRAINT [df\_StockInv] DEFAULT ((0)) FOR [StockInv]  GO  ALTER TABLE [dbo].[PartInv] ADD CONSTRAINT [df\_MinQty] DEFAULT ((0)) FOR [MinQty]  GO  ALTER TABLE [dbo].[PartInv] ADD CONSTRAINT [df\_MaxQty] DEFAULT ((0)) FOR [MaxQty]  GO  ALTER TABLE [dbo].[PartInv] ADD CONSTRAINT [df\_LowQty] DEFAULT ((0)) FOR [LowQty]  GO  ALTER TABLE [dbo].[PartInv] ADD CONSTRAINT [df\_LeadTime] DEFAULT ((0)) FOR [LeadTime]  GO  ALTER TABLE [dbo].[PartInv] ADD CONSTRAINT [df\_IsActivePartInv] DEFAULT ((0)) FOR [IsActive]  GO  ALTER TABLE [dbo].[PartInv] WITH CHECK ADD CONSTRAINT [FK\_dbo.PartInv\_dbo.Drawer\_ID] FOREIGN KEY([DrawerID])  REFERENCES [dbo].[Drawer] ([DrawerID])  GO  ALTER TABLE [dbo].[PartInv] CHECK CONSTRAINT [FK\_dbo.PartInv\_dbo.Drawer\_ID]  GO  ALTER TABLE [dbo].[PartInv] WITH CHECK ADD CONSTRAINT [FK\_dbo.PartInv\_dbo.Part\_ID] FOREIGN KEY([PartID])  REFERENCES [dbo].[PartMaster] ([PartID])  GO  ALTER TABLE [dbo].[PartInv] CHECK CONSTRAINT [FK\_dbo.PartInv\_dbo.Part\_ID]  GO |
| 9. | Part Maker | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[PartMaker] Script Date: 9/29/2020 9:13:16 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[PartMaker](  [PartMakerID] [int] IDENTITY(1,1) NOT NULL,  [PartID] [int] NOT NULL,  [MakerID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.PartMaker] PRIMARY KEY CLUSTERED  (  [PartMakerID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[PartMaker] ADD CONSTRAINT [df\_IsActivePartMaker] DEFAULT ((0)) FOR [IsActive]  GO  ALTER TABLE [dbo].[PartMaker] WITH CHECK ADD CONSTRAINT [FK\_dbo.PartMaker\_dbo.Maker\_ID] FOREIGN KEY([MakerID])  REFERENCES [dbo].[Maker] ([MakerID])  GO  ALTER TABLE [dbo].[PartMaker] CHECK CONSTRAINT [FK\_dbo.PartMaker\_dbo.Maker\_ID]  GO  ALTER TABLE [dbo].[PartMaker] WITH CHECK ADD CONSTRAINT [FK\_dbo.PartMaker\_dbo.Part\_ID] FOREIGN KEY([PartID])  REFERENCES [dbo].[PartMaster] ([PartID])  GO  ALTER TABLE [dbo].[PartMaker] CHECK CONSTRAINT [FK\_dbo.PartMaker\_dbo.Part\_ID]  GO |
| 10. | Part Master | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[PartMaster] Script Date: 9/29/2020 9:12:05 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[PartMaster](  [PartID] [int] IDENTITY(1,1) NOT NULL,  [PartNo] [nvarchar](80) NOT NULL,  [ItemNo] [nvarchar](80) NOT NULL,  [PartName] [nvarchar](250) NOT NULL,  [PartImage] [varbinary](max) NULL,  [PartDrawingImage] [varbinary](max) NULL,  [PartImagePath] [nvarchar](250) NULL,  [PartDrawingPath] [nvarchar](250) NULL,  [PartImageFileType] [nvarchar](20) NULL,  [PartDrawingFileType] [nvarchar](20) NULL,  [CategoryID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.PartMaster] PRIMARY KEY CLUSTERED  (  [PartID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]  GO  ALTER TABLE [dbo].[PartMaster] ADD CONSTRAINT [df\_IsActivePartMaster] DEFAULT ((1)) FOR [IsActive]  GO  ALTER TABLE [dbo].[PartMaster] WITH CHECK ADD CONSTRAINT [FK\_dbo.PartMaster\_dbo.Category\_ID] FOREIGN KEY([CategoryID])  REFERENCES [dbo].[Category] ([CategoryID])  GO  ALTER TABLE [dbo].[PartMaster] CHECK CONSTRAINT [FK\_dbo.PartMaster\_dbo.Category\_ID]  GO |
| 11 | Part Transfer In |  |
| 12. | Part Transfer Out |  |
| 13. | Part Vendor | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[PartVendor] Script Date: 9/29/2020 9:15:11 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[PartVendor](  [PartVendorID] [int] IDENTITY(1,1) NOT NULL,  [PartID] [int] NOT NULL,  [VendorID] [int] NOT NULL,  [Price] [decimal](18, 2) NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NOT NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.PartVendor] PRIMARY KEY CLUSTERED  (  [PartVendorID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[PartVendor] ADD CONSTRAINT [df\_IsActivePartVendor] DEFAULT ((1)) FOR [IsActive]  GO  ALTER TABLE [dbo].[PartVendor] WITH CHECK ADD CONSTRAINT [FK\_dbo.PartVendor\_dbo.Part\_ID] FOREIGN KEY([PartID])  REFERENCES [dbo].[PartMaster] ([PartID])  GO |
| 14. | Plant | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Plant] Script Date: 9/29/2020 9:05:05 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Plant](  [PlantID] [int] IDENTITY(1,1) NOT NULL,  [PlantName] [nvarchar](20) NOT NULL,  [Description] [nvarchar](300) NULL,  [Status] [nvarchar](50) NOT NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Plant] PRIMARY KEY CLUSTERED  (  [PlantID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Plant] ADD CONSTRAINT [df\_IsActivePlant] DEFAULT ((1)) FOR [IsActive]  GO |
| 15. | Section | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Section] Script Date: 9/29/2020 9:10:04 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Section](  [SectionID] [int] IDENTITY(1,1) NOT NULL,  [SAPCode] [nvarchar](50) NOT NULL,  [SectionName] [nvarchar](150) NOT NULL,  [CostCentreID] [int] NOT NULL,  [BUID] [int] NOT NULL,  [PlantID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Section] PRIMARY KEY CLUSTERED  (  [SectionID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Section] ADD CONSTRAINT [df\_IsActiveSection] DEFAULT ((0)) FOR [IsActive]  GO  ALTER TABLE [dbo].[Section] WITH CHECK ADD CONSTRAINT [FK\_dbo.CostCenter\_dbo.CostCentre\_ID] FOREIGN KEY([CostCentreID])  REFERENCES [dbo].[CostCentre] ([CostCentreID])  GO  ALTER TABLE [dbo].[Section] CHECK CONSTRAINT [FK\_dbo.CostCenter\_dbo.CostCentre\_ID]  GO  ALTER TABLE [dbo].[Section] WITH CHECK ADD CONSTRAINT [FK\_dbo.Plant\_dbo.Plant\_ID] FOREIGN KEY([PlantID])  REFERENCES [dbo].[Plant] ([PlantID])  GO  ALTER TABLE [dbo].[Section] CHECK CONSTRAINT [FK\_dbo.Plant\_dbo.Plant\_ID]  GO  ALTER TABLE [dbo].[Section] WITH CHECK ADD CONSTRAINT [FK\_dbo.Section\_dbo.BusinessUnit\_ID] FOREIGN KEY([BUID])  REFERENCES [dbo].[BusinessUnit] ([ID])  GO  ALTER TABLE [dbo].[Section] CHECK CONSTRAINT [FK\_dbo.Section\_dbo.BusinessUnit\_ID]  GO |
| 16. | Status Request |  |
| 17. | Store | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Store] Script Date: 9/29/2020 9:10:43 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Store](  [WhouseID] [int] IDENTITY(1,1) NOT NULL,  [WhouseName] [nvarchar](50) NOT NULL,  [SectionID] [int] NOT NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Store] PRIMARY KEY CLUSTERED  (  [WhouseID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Store] ADD CONSTRAINT [df\_IsActiveStore] DEFAULT ((1)) FOR [IsActive]  GO  ALTER TABLE [dbo].[Store] WITH CHECK ADD CONSTRAINT [FK\_dbo.Store\_dbo.Section\_ID] FOREIGN KEY([SectionID])  REFERENCES [dbo].[Section] ([SectionID])  GO  ALTER TABLE [dbo].[Store] CHECK CONSTRAINT [FK\_dbo.Store\_dbo.Section\_ID]  GO |
| 18 | Vendor | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[Vendor] Script Date: 9/29/2020 9:14:29 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[Vendor](  [VendorID] [int] IDENTITY(1,1) NOT NULL,  [VendorNo] [nvarchar](20) NOT NULL,  [AccountGroup] [nvarchar](20) NOT NULL,  [VendorName] [nvarchar](50) NOT NULL,  [SAPVendorCode] [nvarchar](50) NULL,  [PhoneNo] [nvarchar](100) NULL,  [Email] [nvarchar](250) NULL,  [Status] [nvarchar](50) NOT NULL,  [Description] [nvarchar](300) NULL,  [IsActive] [bit] NOT NULL,  [UserCreated] [nvarchar](10) NULL,  [UserModified] [nvarchar](10) NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  CONSTRAINT [PK\_dbo.Vendor] PRIMARY KEY CLUSTERED  (  [VendorID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Vendor] ADD CONSTRAINT [df\_IsActiveVendor] DEFAULT ((1)) FOR [IsActive]  GO |
| 19 | User Business Unit | USE [amrois]  GO  /\*\*\*\*\*\* Object: Table [dbo].[UserBusinessUnits] Script Date: 9/29/2020 9:19:47 AM \*\*\*\*\*\*/  SET ANSI\_NULLS ON  GO  SET QUOTED\_IDENTIFIER ON  GO  CREATE TABLE [dbo].[UserBusinessUnits](  [UserId] [nvarchar](128) NOT NULL,  [BusinessUnitID] [int] NOT NULL,  [DateCreated] [datetime] NULL,  [DateModified] [datetime] NULL,  [UserCreated] [nvarchar](max) NULL,  [UserModified] [nvarchar](max) NULL,  CONSTRAINT [PK\_dbo.UserBusinessUnit] PRIMARY KEY CLUSTERED  (  [UserId] ASC,  [BusinessUnitID] ASC  )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]  ) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]  GO  ALTER TABLE [dbo].[UserBusinessUnits] WITH CHECK ADD CONSTRAINT [FK\_dbo.UserBusinessUnits\_dbo.AspNetUsers\_UserId] FOREIGN KEY([UserId])  REFERENCES [dbo].[AspNetUsers] ([Id])  GO  ALTER TABLE [dbo].[UserBusinessUnits] CHECK CONSTRAINT [FK\_dbo.UserBusinessUnits\_dbo.AspNetUsers\_UserId]  GO  ALTER TABLE [dbo].[UserBusinessUnits] WITH CHECK ADD CONSTRAINT [FK\_dbo.UserBusinessUnits\_dbo.BusinessUnit\_BusinessUnitID] FOREIGN KEY([BusinessUnitID])  REFERENCES [dbo].[BusinessUnit] ([ID])  GO  ALTER TABLE [dbo].[UserBusinessUnits] CHECK CONSTRAINT [FK\_dbo.UserBusinessUnits\_dbo.BusinessUnit\_BusinessUnitID]  GO |

**4.0 User Interface (Main Navigation) – Sample**