1. Enums

|  |  |  |
| --- | --- | --- |
| Name | Value | Description |
| ObjectTpes | Table, View, Form |  |
| Gender | Male, Female |  |
| AccountTypes | Asset, Liability, Income, Equity |  |
| ItemGroups | Inventory, Service |  |
| AccountActions | Debit, Credit |  |
| JournalTypes | General, Sales, Purchases, Items |  |
| AccountGroups | COA, Customer, Vendor, Bank |  |
| DocumentTypes | Invoices, Receipts, Vouchers, CreditMemos, Refunds |  |
| EntryModes | Mannual, System |  |
| BankAccountTypes | Cash, Bank |  |
|  |  |  |

1. LookupObject

|  |  |
| --- | --- |
| **Object ID** | **Object Name** |
| 1 | Country |
| 2 | Marital Status |
| 3 | Staff Title |
| 4 | Occupation |
| 5 | District |
| 6 | Religion |
| 7 | Qualification |
| 8 | Department |
| 9 | Customer Category |
| 10 | Vendor Category |
| 11 | Price Group |
| 13 | Unit Measure |
| 13 | Item Group |
| 14 | Business Group |
| 15 | VAT Item Group |
| 16 | VAT Business Group |
| 17 | Inventory Group |
| 18 | Customer Group |
| 19 | Vendor Group |
| 20 | Location |

1. LookupObject

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LookupObjectID | int |  |  | **Primary key** |
| LookupObjectName | String |  | 40 | Unique |
| ReadOnly | boolean |  |  |  |
| Hidden | boolean |  |  |  |

1. LookupData

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  | Used to generate DataID |
| LookupObject | String | LookupObject |  | Id Generator && C Unique |
| LookupDataID | String |  | **20** | Primary Key |
| LookupDataName | String |  | 100 | Unique and C Unique |
| ReadOnly | boolean |  |  |  |
| Hidden | boolean |  |  |  |
| IsDefault | boolean |  |  |  |

1. AccessObject

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| ObjectName | String |  | 40 | Primary key |
| Caption | String |  | 100 | Display Key |
| ObjectType | String | ObjectTypes |  | Enumerated |

1. UserRole

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| RoleName | String |  |  | Primary key |
| Description | String |  | **200** |  |
| UserRoleDetails | List | UserRoleDetail |  |  |

1. UserRoleDetail

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | Data Type | | **References** | **Field Size** | **Description** |
| UserRoleDetailID | | Sring |  |  | 80 |
| UserRole | String | | UserRole |  |  |
| AccessObject | String | | AccessObject |  |  |
| CanCreate | boolean | |  |  |  |
| CanUpdate | boolean | |  |  |  |
| CanRead | boolean | |  |  |  |
| CanDelete | boolean | |  |  |  |

1. AppUser

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LoginID | Int |  | Primary key | Used to generate DataID |
| FirstName | String |  |  | Id Generator && C Unique |
| LastName | String |  |  | **Primary Key** |
| StaffNo | String |  | 20 | Unique and C Unique |
| Password | String |  |  |  |
| UserRole | String | UserRole |  |  |
| Disabled | boolean |  |  |  |

1. AccountCategory

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  | Primary key | Used to generate DataID |
| AccountType | String | AccountTypes |  | Id Generator & enumerated |
| CategoryID | String |  | 20 | **Primary Key** |
| CategoryName | String |  | 40 | Discription |
| ParentCategory | String | AccountCategory | 20 |  |
| ReadOnly | boolean |  |  |  |
| Hidden | boolean |  |  |  |

1. ChartAccount

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  | Primary key | Used to generate DataID |
| AccountType | String | AccountTypes |  | enumerated |
| AccountCategory | String | AccountCategory |  | **ID Generator** |
| AccountID | String |  | 20 | Primary key |
| AccountName | String |  | 40 |  |
| AccountAction | String | AccountActions |  | enumerated |
| AccountReport | String | AccountReports |  | enumerated |
| Contra | boolean |  |  |  |
| ControlAccount | boolean |  |  |  |
| OpeningBalance | double |  |  |  |
| ClosingBalance | double |  |  |  |
| ReadOnly | boolean |  |  |  |
| Hidden | boolean |  |  |  |

1. GeneneralPostingGroup

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| GeneralPostingGroupID | String |  | 20 | Primary Key |
| BusinessGroup | String | LookupData |  |  |
| ItemGroup | String | LookupData |  |  |
| SalesAccount | String | ChartAccount |  |  |
| SalesDiscountAccount | String | ChartAccount |  |  |
| PurchaseAccount | String | ChartAccount |  |  |
| PurchaseDiscountAccount | String | ChartAccount |  |  |
| DirectCostAppliedAccount | String | ChartAccount |  |  |

1. CustomerPostingGroup

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| CustomerPostingGroupID | String |  | 20 | Primary Key |
| CustomerGroup | String | LookupData |  |  |
| ReceivableAccount | String | ChartAccount |  |  |
| ServiceChargeAccount | String | ChartAccount |  |  |
| PaymentDiscountAccount | String | ChartAccount |  |  |

4.VendorPostingGroup

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| VendorPostingGroupID | String |  | 20 | Primary Key |
| VendorGroup | String | LookupData |  |  |
| PayableAccount | String | ChartAccount |  |  |
| ServiceChargeAccount | String | ChartAccount |  |  |
| PaymentDiscountAccount | String | ChartAccount |  |  |

1. VATPostingGroup

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| VATPostingGroupID | String |  | 20 |  |
| VATBusinessGroup | String | LookupData |  |  |
| VATItemGroup | String | LookupData |  |  |
| VATPercent | float |  |  |  |
| VATSalesAccount | String | ChartAccount |  |  |
| VATPurchaseAccount | String | ChartAccount |  |  |

1. InventoryPostingGroup

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| InventoryPostingGroupID | String |  | 20 |  |
| Location | String | LookupData |  |  |
| InventoryGroup | String | LookupData |  |  |
| Account | String | ChartAccount |  |  |

1. ItemTemplate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| TemplateName | String |  | 40 | Primary Kay |
| ItemCategory | String | ItemCategory |  |  |
| ItemGroup | String | LookupData |  |  |
| VATItemgroup | String | LookupData |  |  |
| InventoryGroup | String | LookupData |  |  |
| UnitMeasure | String | UnitMeasure |  |  |

1. Item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| ItemCategory | String | ItemCategory |  |  |
| ItemID | String |  | 10 | Primary key |
| ItemName | String |  | 40 | Unique |
| UnitCost | double |  |  |  |
| UnitPrice | double |  |  |  |
| ItemGroup | String | LookupData |  |  |
| VATItemgroup | String | LookupData |  |  |
| InventoryGroup | String | LookupData |  |  |
| UnitMeasure | String | UnitMeasure |  |  |

1. Customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  | Used to generate ID |
| CustomerID | String |  | 20 |  |
| CustomerName | String |  | 62 |  |
| CustomerCategory | String | LookupData |  |  |
| PhoneNo | String |  | 30 |  |
| Email | String |  | 100 |  |
| Address | String |  | 100 |  |
| PriceGroup | String | LookupData |  |  |
| BillToCustomer | String | Customer |  |  |
| CustomerPostingGroup | String | CustomerPostingGroup |  |  |
| BusinessGroup | String | LookupData |  |  |
| VATBusinessGroup | String | LookupData |  |  |
| Balance | double |  |  |  |

1. SaleOrder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  | Used to generate ID |
| SaleOrderID | String |  | 20 | Primary key |
| OrderDate | LocalDate |  |  |  |
| ShipAddress | String |  | 200 |  |
| SellTo | String | Customer | 20 |  |
| BillTo | String | Customer |  |  |
| Currency | String | Currency |  |  |
| Amount | double |  | 100 |  |
| AmountWords | String |  | 200 |  |
| EntryMode | String | EntryModes |  | Enumerated |
| SaleOrderDetails | List | SaleOrderDetails |  |  |

1. SaleOrderDetail

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| SaleOrder | String | SaleOrder |  |  |
| Item | String | Item |  |  |
| SaleOrderDetail | String |  |  | Primary key |
| BaseQuantity | int |  |  |  |
| UnitMeasure | String |  |  |  |
| MeasureSize | int |  |  |  |
| Quantity | String |  | 100 |  |
| UnitPrice | String |  | 100 |  |
| Discount | String |  |  |  |
| Amount | String |  |  |  |
| InvoiceStatus | String | InvoiceStatus |  |  |
| InvoiceID | String |  | 20 |  |

1. Invoice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  | Used to generate ID |
| InvoiceID | String |  | 20 | Primary key |
| invoiceDate | LocalDate |  |  |  |
| InvoiceType | String | InvoiceTypes |  | Enumerated |
| BillTo | String | Customer | 20 |  |
| Amount | double |  | 100 |  |
| AmountWords | String |  | 200 |  |
| InvoiceDetails | List | InvoiceDetails |  |  |

1. InvoiceDetails

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| Invoice | String | Invoice |  |  |
| Item | String | Item |  |  |
| InvoiceDetailID | String |  | 20 | Primary key |
| SaleOrderDetail | String | SaleOrderDetail |  |  |
| SellTo | String | Customer |  |  |
| BaseQuantity | int |  |  |  |
| UnitMeasure | String |  |  |  |
| MeasureSize | int |  |  |  |
| Quantity | String |  | 100 |  |
| UnitPrice | String |  | 100 |  |
| Discount | String |  |  |  |
| Amount | String |  |  |  |
| Location | String | LookupData |  |  |

1. Vendor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | String |  |  |  |
| VendorID | String |  | 20 |  |
| VendorName | String |  | 62 |  |
| VendorCategory | String | LookupData |  |  |
| Contact Person | String |  |  |  |
| PhoneNo | String |  | 30 |  |
| Email | String |  | 100 |  |
| Address | String |  | 100 |  |
| PriceGroup | String | LookupData |  |  |
| VendorPostingGroup | String | CustomerPostingGroup |  |  |
| BusinessGroup | String | LookupData |  |  |
| VATBusinessGroup | String | LookupData |  |  |
| Balance | double |  |  |  |

1. BankAccount

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | String |  |  |  |
| BankAccountID | String |  | 20 |  |
| BankAccountName | String |  | 100 | unique |
| BankAccountType | String | BankAccountTypes |  | Enumerated |
| AccountNo | String |  | 20 |  |
| BankName | String |  | 100 | unique |
| BranchName | String |  | 100 |  |
| Currency | String | Currency |  |  |
| PostingAccount | String | ChartAccount |  |  |
| PhoneNo | String |  | 30 |  |
| Email | String |  | 100 |  |
| Address | String |  | 100 |  |
| IsDefault | boolean |  |  |  |
| Balance | double |  |  |  |

1. JournalEnty

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  |  |
| FinancialPeriod | String | FinancialPeriod |  |  |
| JournalID | String |  | 20 | Primary Key |
| EntryDate | LocalDate |  |  |  |
| Narration | String |  | 200 |  |
| DocumentType | String | DocumentTypes |  | Enumerated |
| DocumentNo | String |  | 20 |  |
| ReferenceNo | String |  | 100 |  |
| Currency | String | Currency |  |  |
| BaseAmount | double |  |  |  |
| ExchangeRate | double |  |  |  |
| Amount | double |  |  |  |
| AmountWords | String |  | 250 |  |
| PostStatus | String | PostStatus |  | Enumerated |
| JournalType | String | JournalTypes |  | Enumerated |
| EntryMode | String | EntryModes |  | Enumerated |
| JournalEntryDetails | List | JournalEntryDetail |  |  |

1. JournalEntryDetail

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| JournalEntryDetailID | String |  | 60 | Background |
| AccountGroup | String | AccountGroups |  | Enumerated |
| JournalEntry | String | Journalentry |  |  |
| AccountID | String |  | 20 | Either COA, CustomerID, VenderID, etc |
| AccountName | String |  | 62 |  |
| AccountType | String | AccountType | 20 | Primary Key |
| AccountAction | String | AccountActions |  | Enumerated |
| Quantity | int |  |  |  |
| UnitPrice | double |  |  |  |
| Amount | double |  |  |  |
| Location | String |  |  |  |
| Notes | String |  | 200 |  |

1. GeneralLedger

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LedgerID | int |  |  | Primary Key Auto Increment |
| AccountID | String |  | 20 | DB reference ChartAccount |
| AccountName | String |  | 62 |  |
| PostingDate | **LocalDate** |  |  |  |
| JournalEntryDetails | **String** | JournalentryDetails |  |  |
| AccountType | String | AccountType | 20 | Primary Key |
| Description | String |  | 200 |  |
| Amount | double |  |  |  |
| Debit | double |  |  |  |
| Credit | double |  |  |  |
| Balance | double |  |  |  |

1. CustomerLedger

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LedgerID | int |  |  | Primary Key Auto Increment |
| JournalEntryDetails | String | JournalEntryDetails |  |  |
| CustomerID | String |  | 20 | DB references Customer |
| CustomerName | String |  | 62 |  |
| DocumentType | String | DocumentTypes |  | Enumerated |
| DocumentNo | String |  | 20 |  |
| ReferenceNo | String |  | 100 |  |
| PostingDate | **LocalDate** |  |  |  |
| Description | String |  | 200 |  |
| Amount | double |  |  |  |
| Debit | double |  |  |  |
| Credit | double |  |  |  |
| Balance | double |  |  |  |

1. VenderLedger

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LedgerID | int |  |  | Primary Key Auto Increment |
| JournalEntryDetails | String | JournalEntryDetails |  |  |
| VenderID | String |  | 20 | DB references Vender |
| VenderName | String |  | 62 |  |
| PostingDate | LocalDate |  |  |  |
| DocumentNo | String |  | 20 |  |
| ReferenceNo | String |  | 100 |  |
| DocumentType | String | DocumentTypes |  | Enumerated |
| Description | String |  | 200 |  |
| Amount | double |  |  |  |
| Debit | double |  |  |  |
| Credit | double |  |  |  |
| Balance | double |  |  |  |

1. BankLedger

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LedgerID | int |  |  | Primary Key Auto Increment |
| JournalEntryDetails | String | JournalEntryDetails |  |  |
| BankAccountID | String |  | 20 | DB references Customer |
| BankAccountName | String |  | 62 |  |
| DocumentType | String | DocumentTypes |  | Enumerated |
| DocumentNo | String |  | 20 |  |
| ReferenceNo | String |  | 100 |  |
| PostingDate | **LocalDate** |  |  |  |
| Description | String |  | 200 |  |
| Amount | double |  |  |  |
| Debit | double |  |  |  |
| Credit | double |  |  |  |
| Balance | double |  |  |  |

1. Staff

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| IdHelper | int |  |  | Generates StaffID |
| StaffID | String |  | 20 | Primary Key |
| Photo | Image |  |  |  |
| FirstName | String |  | 20 |  |
| LastName | String |  | 20 |  |
| OtherNames | String |  | 20 |  |
| Initials | String |  | 20 |  |
| Gender | String | Gender | 20 |  |
| BirthDate | LocalDate |  |  |  |
| JoinDate | LocalDate |  |  |  |
| NationalID | String |  | 100 |  |
| Country | String | LookupData |  |  |
| Village | String | Village |  |  |
| StaffTitle | String | LookupData |  |  |
| Qualification | String | LookupData |  |  |
| Department | String | LookupData |  |  |
| PhoneNo | String |  | 30 |  |
| EmailAddress | String |  | 100 |  |
| PhysicalAddress | String |  | 200 |  |
| SpecialSkills | String |  | 200 |  |
| Hidden | boolean |  |  |  |

1. ItemLedger

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | Data Type | **References** | **Field Size** | **Description** |
| LedgerID | int |  |  | Primary Key Auto Increment |
| PostingDate | LocalDate |  |  |  |
| JournalEntryDetails | String | JournalentryDetails |  |  |
| DocumentType | String | DocumentTypes |  | Enumerated |
| ItemID | String |  | 20 | DB references Item |
| ItemName | String |  | 62 |  |
| AccountAction | String | AccountActions |  | Enumerated |
| Quantity | int |  |  |  |
| UnitPrice | double |  |  |  |
| Amount | double |  |  |  |
| Balance | double |  |  |  |