Relational Model:

Bold -> Primary Key

Italic -> Foreign Key

Hospital ( **HospitalID**, HospitalName, Address, City, State, Zipcode, PhoneNo, Revenue, *EquipmentID, DepartmentID* )

Supplier ( **SupplierID**, SupplierLastName, SupplierFirstName, SupplierDesignation, SupplierGender, SupplierEntity, SupplierAddress, SupplierCity, SupplierState, SupplierZipcode, SupplierSpeciality, TotalAmount, AmountPaid, AmountOwed )

MaintenanceTechnician ( **TechnicianID**, FirstName, LastName, *ManagerID* )

Department ( **DepartmentID**, DepartmentName, Description )

Regulations ( **RegulationID**, RegulationName, Description, Category, EffectiveDate, ExpirationDate )

MedicalEquipment ( **EquipmentID**, EquipmentName, EquipmentCode, *RegulationID*, *DepartmentID*, *UserID* )

Decommissioning ( **DecommissiongID**, *EquipmentID*, DecommissiongDate, Reason )

Allocation ( **AllocationID**, AllocationDate, *DeapartmentID*, ReturnDate, *EquipmentID* )

MaintenanceType ( **MaintenanceTypeID**, MaintenanceTypeName, Description, MaintenanceCost )

MaintenanceLog ( **LogID**, *EquipmentID*, *TechnicianID*, MaintenanceDate, *MaintenanceTypeID*, Description )

Patients ( **PatientID**, Gender, AgeCategory, Description, PaymentAmount, Procedure, *EquipmentID* )

EquipmentSupplier ( *EquipmentID*, *SupplierID* )

SpareInventory ( ItemCode, ItemDescription, PartDescription, IsExpiryDateRequired, MinPrice, MaxPrice, Brand, Status, ExpiryAgeMonth, CurrentStock, SupplierID )

ItemCode, ItemDescription, PartDescription, SupplierID -> Composite Key

UserAccess ( **UserID**, UserFirstName, UserLastName, Role, PhoneNo )

SupplierManager ( UserID, DepartmentID )

Orderdetails ( OrderID, OrderName, Description, ItemCode, ItemDescription, PartDescription, SupplierID, EquipmentID, TotalCost, Quantity )

PaymentDetails ( **PaymentID**, *SupplierID*, **EquipmentID**, Amount, PurchaseDate, InvoiceNo, *LogID* );

Operational Database Tables Screenshots with Data

A screenshot of a computer

Description automatically generated

Tables Data:

Allocation Table:

Description:

A screenshot of a computer

Description automatically generated

Decommissioning Table:

Description:

A screenshot of a computer

Description automatically generated

Department Table:

Description:

A screenshot of a computer

Description automatically generated

EquipmentSupplier Table:

Description:

A screenshot of a computer

Description automatically generated

Hospital Table:

Description:

A screenshot of a computer

Description automatically generated

MaintenanceLog Table:

Description:

A screenshot of a computer

Description automatically generated

MaintenanceTechnician Table:

Description:

A screenshot of a computer

Description automatically generated

MaintenanceType Table:

Description:

A screenshot of a computer

Description automatically generated

MedicalEquipment Table:

Description:

A screenshot of a computer

Description automatically generated

OrderDetails Table:

Description:

A screenshot of a computer program

Description automatically generated

Patients Table:

Description:

A screenshot of a computer

Description automatically generated

PaymentDetails Table:

Description:

A screenshot of a computer

Description automatically generated

Regulations Table:

Description:

A screenshot of a computer

Description automatically generated

SpareInventory Table:

Description:

A screenshot of a computer program

Description automatically generated

Supplier Table:

Description:

A screenshot of a computer

Description automatically generated

SupplierManager Table:

Description:

A screenshot of a computer

Description automatically generated

UserAccess Table:

Description:

A screenshot of a computer

Description automatically generated