Purchase Orders

PK	**Order ID**
	Name
	Description
	Price
	Purchase Date
	Status
	DocumenID
	Issued_by
	BrandID
	ModelID
	Quantity

Asset

PK	AssetID
FK1	Asset_Category
FK2	Order ID
FK3	LocationID
	Image (documentID)
	Notes
	Asset Tag
	Asset Status
FK4	Supplied ID
FK	Depreciation ID
FK5	Warranty ID
	Purchase_Date
FK6	Asset_Type
FK7	Issue_Status
	Price
	Serial #
	Audit_Type
	Modified_by
	Checked out to
	IP Address
FK	ModelID
FK	BrandID
FK	DeptID
	IMEI

Asset Category

PK	CategoryID
	Category Name
	Asset Type
	ImageID

Documents

PK	**DocumentID**
	Description
	Document Upload (blob)
	Document TypeID
	Uploaded by

Asset History

PK	HistID
	Date
	UserID
	Asset Status
	Notes
	Issued to

Warranty

PK	WarrantyID
	Name
	Description
	Term
	Notes

Asset Model

PK	ModelID
	Model Name
	Serial #
	ManufacturerID
	Asset CategoryID
	Depreciation
	EOL (mnths/years)
	Image
	Notes

Supplier

PK	SupplierID
	Name
	Address
	City
	State
	Country
	Contact Name
	Phone
	Email
	URL
	Image

Depreciation

PK	DepID
	Dep. Name
	# of Months
	BrandID

Document Types

Requested Assets

PK	Req.ID
	Model
	Model #
	Asset Name
	Location
	Department

Manufacturer

PK	ManufactureID
	Name
	URL
	Support URL
	Phone
	Email
	Image

AuditEvent_Type	Create	Modify	Delete		

Asset Types	Assets	Accessories	Consumables	Licenses	Components
		K/B	Printer		HDD /SDD
		Mouse	Mouse Pads		HDD /SDD
			Pencils		Power Supply
			Mobile Phone		Memory

Asset Status	Deployable	Pending	Undeployable	Archived	Maintenance

Asset Cat.	Desktop	Display	Mobile Phone

Asset Model	Dell laptop	HP Laserjet printer	HP K/B

Document Types	Image	PDF	Word
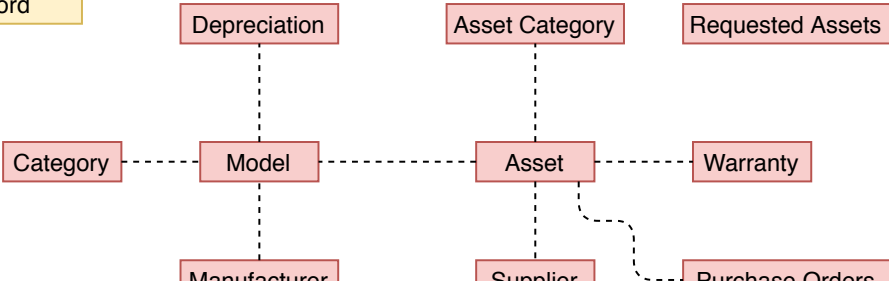
| Manufacturer | Supplier | Purchase Orders |

*All Tables will have create date

User Role	Admin	Reporting	Staff	Farmer

Module	Asset Mang.	Procurement	HR	Entity

Company

PK	**BrandID (CompanyID)**
	Site Name
	Branding Logo
	Branding Text
	Header Color
	Enable footer
	Footer Text

General

PK	**uniqueId**
FK1	BrandID
	Email Domain
	Show Images in email
	Default EULA
	Login Message
	Admin Dashboard Msg
	Link to privacy policy

Security

PK	**uniqueId**
	BrandID
	Enable 2 fact auth
	License Key (Hash)
	Min Passwd length
	Include special char
	Include Caps
	Include digits
	Include Letters

Localization

PK	**LocID**
	Def. Language
	Def. Time Zone
	Def. Currency
FK1	BrandID

Modules

PK	**ModuleID**
	Module Name
	Module Description

Authorization

PK	**ModuleActionID**
	View
	Add
	Modify
	Delete
	Check out
	Check In
	Audit
	Reporting
FK1	RoleID
FK2	ModuleID

User Role

PK	**RoleID**
	Role Name
	Role Description

Department

PK	DepartmentID
	Dept. Name
	BrandID
	Manager
	LocationID

Users

PK	**UserID**
	F.Name
	L.Name
FK1	RoleID
FK2	BrandID
	PW
	Conf PW
	email
	phone
FK	locationID
FK	DepartmentID
FK	Language
	EmployeeID
FK	ManagerID
	Address
	City
	State
	Zip
	Country
	Active
	Approved
FK	BusinessID
FK	Photo (DocumentID)
FK	IDProof (documentID)
	Address Proof (documentID)

Notifications

PK	**NotificationID**
	Enable email alerts
	Show alerts on top
	Alert Email
	CC Email
	Inventory Alert Threshold

Location

PK	LocationID
	Name
	Manager
	Location Currency
	Address
	City
	State
	Country
	Zip
FK	ParentID (LocationID)

Country

State

Language

IP Protection
- Source Code Obfuscation
- License Hashing
- API calls to binaries

Registered Business

PK	BusinessID
	Name
FK	UserID
	Currency
	Address
	City
	State
	Country
	Zip
FK	Business Reg Proof (documentID)
	Registration #
	Membership 1 #
	membership 2 #
	QR Code

Products

PK	**ProductID**
	Product Name
	Description
	Serial #
	Product Code
	Origin
	Source / Area
FK	Grade
	BarCode

Enquiry

PK	**EnquiryID**
	Name
	Phone
	email
	Company Name
	Address
	City
	State
	Country
	Message
FK	Enq Type / Product Ca

Quotation (Registered User)

PK	**OrdEnquiryID**
FK	Product
	Grade
	Quantity
	Date Required
	isPriceReq
	isPdtAvailable
	Price Quoted
	Date quoted

Order Status

PK	**OrdStatusID**
	Status Name
	Status Code

Purchase Orders

PK	**Order ID**
	Product Name
	Description
	Price
	Order Date
	Status
FK	DocumentID
	Issued_by
FK	ProductID
	Quantity
FK	BusinessID
	Order Status
FK	UserID
	Barcode

Grade

PK	**GradeID**
	Name
	Description
	Region

Area

PK	**AreaID**
	Name
	Description
	AreaCode

Inventory

PK	**InventoryID**
FK	ProductID
	Quantity
	Price
	Price From Dt
	Price to Dt
FK	SupplierID(FarmerID)

Invoice

PK	**InvoiceID**
	ProductID
	OrderID
	Amount
	Date

Enquiry Type

PK	**EnqTypeID**
	Name
	Description
	EnqCode

- Business Functions
- Manage Farmers
- Manage Procurement Officers
- Manage Branches
- Dashboard

- Views
- Procurement Off
- Farmers
- Mobile Phones

● → Purchase Req → HQ Team → Add Comments

Approve / Reject

Procurement Admin → Procurement Staff → HQ Staff → Farmers → Passwords
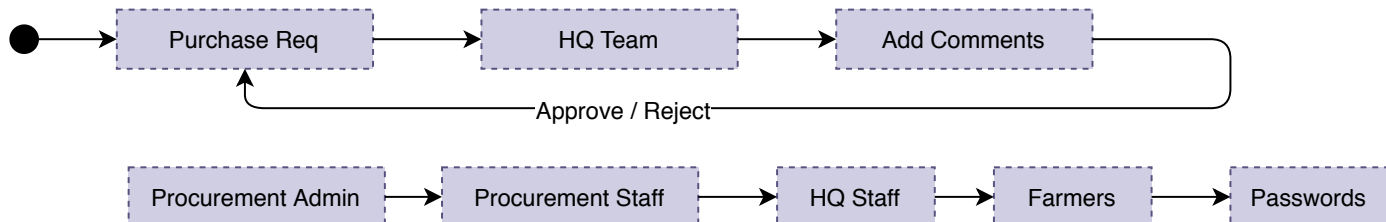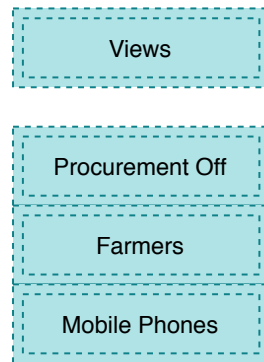
Definitions:

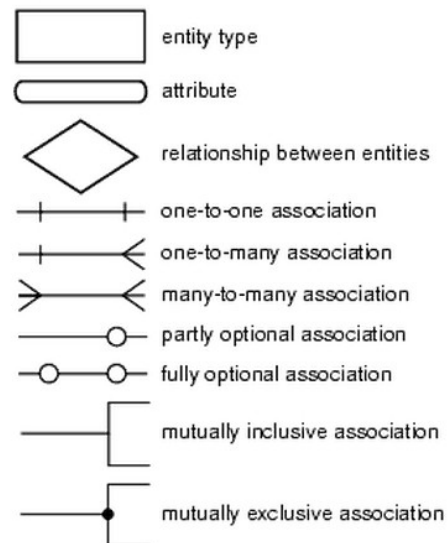**entity** something about which data is collected, stored, and maintained

attribute a characteristic of an entity

relationship an association between entities

entity type a class of entities that have the same set of attributes

record an ordered set of attribute values that describe an instance of an entity type

Symbols:

▭	entity type
⬭	attribute
◇	relationship between entities
─┼──┼─	one-to-one association
─┼──<	one-to-many association
>──<	many-to-many association
──○─	partly optional association
─○──○─	fully optional association
⌐	mutually inclusive association
⌐●	mutually exclusive association

Examples:

One A is associated with one B:

One A is associated with one or more B's:

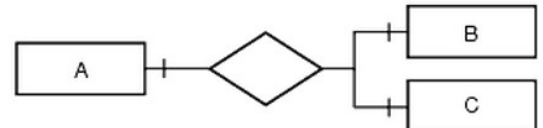One or more A's are associated with one or more B's:

One A is associated with zero or one B:

One A is associated with zero or more B's:

One A is associated with one B and one C:

One A is associated with one B or one C (but not both):