CREATE TABLE User (

UserID INT unsigned NOT NULL AUTO\_INCREMENT,

FName varchar (150) NOT NULL,

LName varchar (150) NOT NULL,

Email varchar (150) NOT NULL,

Password varchar (150) NOT NULL,

Company\_Name VARCHAR (150) Null,

Telephone varchar (25),

PRIMARY KEY (UserID)

);

CREATE TABLE AssetCategory (

CategoryID INT unsigned NOT NULL AUTO\_INCREMENT,

CategoryName varchar (75),

PRIMARY KEY (CategoryID)

);

CREATE TABLE Manufacturer (

ManufacturerID INT unsigned NOT NULL AUTO\_INCREMENT,

ManufacturerName varchar (100),

PRIMARY KEY (ManufacturerID)

);

CREATE TABLE AssetModel (

ModelID INT unsigned NOT NULL AUTO\_INCREMENT,

CategoryID INT NOT NULL,

ManufacturerID INT NOT NULL,

ModelName varchar (100) NOT NULL,

PartNumber VARCHAR (100) NULL,

PRIMARY KEY (ModelID),

FOREIGN KEY (CategoryID) REFERENCES AssetCategory(CategoryID),

FOREIGN KEY (ManufacturerID) REFERENCES Manufacturer(ManufacturerID)

);

Everything below line is up for discussion (CV - 10-13-2017)

CREATE TABLE Processor (

ProcessorID INT unsigned NOT NULL AUTO\_INCREMENT,

ProcessorType varchar (50) NOT NULL,

ProcessorSpeed double NOT NULL,

ProcessorQty INT NOT NULL,

PRIMARY KEY (ProcessorID)

);

CREATE TABLE Memory (

MemoryID INT unsigned NOT NULL AUTO\_INCREMENT,

MemoryType varchar (25) NOT NULL,

MemorySize varchar (10) NOT NULL,

MemoryQty INT NOT NULL,

PRIMARY KEY (MemoryID)

);

CREATE TABLE HardDrive (

HardDriveID INT unsigned NOT NULL AUTO\_INCREMENT,

HardDriveType varchar (25) NOT NULL,

HardDriveSize varchar (25) NOT NULL,

HardDriveQty INT NOT NULL,

PRIMARY KEY (HardDriveID)

);

CREATE TABLE Asset (

AssetID INT unsigned NOT NULL AUTO\_INCREMENT,

UserID INT NOT NULL,

ModelID INT NOT NULL,

HardDriveID INT NOT NULL,

ProcessorID INT NOT NULL,

MemoryID INT NOT NULL,

SerialNumber varchar (100) NULL,

ProductNumber varchar (100) NULL,

Quantity INT NOT NULL,

PRIMARY KEY (AssetID),

FOREIGN KEY (UserID) REFERENCES User(UserID),

FOREIGN KEY (ModelID) REFERENCES AssetModel(ModelID),

FOREIGN KEY (HardDriveID) REFERENCES HardDrive(HardDriveID),

FOREIGN KEY (ProcessorID) REFERENCES Processor(ProcessorID),

FOREIGN KEY (MemoryID) REFERENCES Memory(MemoryID)

);

CREATE TABLE Inventory (

InventoryID INT unsigned NOT NULL AUTO\_INCREMENT,

UserID INT NOT NULL,

AssetID INT NOT NULL,

PRIMARY KEY (InventoryID, UserID, AssetID),

FOREIGN KEY (UserID) REFERENCES User(UserID),

FOREIGN KEY (AssetID) REFERENCES Asset(AssetID)

);