**Asset Management**

**(Aneesh S - EX1010 - .NET/Angular)**

**Database Design**

--creating database

CREATE DATABASE AssetDB;

USE AssetDB;

--create TblLogin

CREATE TABLE TblLogin(

l\_id INT IDENTITY(1,1) PRIMARY KEY,

Username VARCHAR(20),

Password VARCHAR(20),

UserType varchar(25) check(UserType in ('Admin', 'Purchase Manager')));

--create TblUserRegistration

CREATE TABLE TblUserRegistration(

u\_id INT IDENTITY(1,1) PRIMARY KEY,

FirstName VARCHAR(20),

LastName VARCHAR(20),

Age INT,

Gender VARCHAR(10) CHECK ( Gender IN ('Male','Female')),

Address VARCHAR(50),

PhoneNumber INT,

l\_id INT,CONSTRAINT FK\_LOGIN FOREIGN KEY(l\_id) REFERENCES TblLogin(l\_id));

--create TblAssetType

CREATE TABLE TblAssetType(

at\_id INT IDENTITY(1,1) PRIMARY KEY,

at\_name varchar(25)

);

--create TblAssetDefinition

CREATE TABLE TblAssetDefinition(

ad\_id INT IDENTITY(1,1) PRIMARY KEY,

ad\_name varchar(25),

ad\_type\_id INT,CONSTRAINT FK\_ASSET FOREIGN KEY(ad\_type\_id) REFERENCES TblAssetType(at\_id),

ad\_class VARCHAR(20));

--create TblVendor

CREATE TABLE TblVendor (

vd\_id INT IDENTITY(1,1) PRIMARY KEY,

vd\_name VARCHAR(100),

vd\_type VARCHAR(40),

vd\_atype\_id INT,CONSTRAINT FK\_VENDOR FOREIGN KEY(vd\_atype\_id) REFERENCES TblAssetType(at\_id),

vd\_from Date,

vd\_to Date,

vd\_addr VARCHAR(200));

--create TblPurchaseOrder

CREATE TABLE TblPurchaseOrder(

pd\_id INT IDENTITY(1,1) PRIMARY KEY,

pd\_order\_no VARCHAR(10),

pd\_ad\_id INT,CONSTRAINT FK\_PURCHASE\_AD FOREIGN KEY(pd\_ad\_id) REFERENCES TblAssetDefinition(ad\_id),

pd\_type\_id INT,CONSTRAINT FK\_PURCHASE\_AT FOREIGN KEY(pd\_type\_id) REFERENCES TblAssetType(at\_id),

pd\_qty INT,

pd\_vendor\_id INT,CONSTRAINT FK\_PURCHASE\_V FOREIGN KEY(pd\_vendor\_id) REFERENCES TblVendor(vd\_id),

pd\_date Date,

pd\_ddate Date,

pd\_status VARCHAR(20)

);

--create TblAssetMaster

CREATE TABLE TblAssetMaster(

am\_id INT IDENTITY(1,1) PRIMARY KEY,

am\_atype\_id INT,CONSTRAINT FK\_ASSET\_AT FOREIGN KEY(am\_atype\_id) REFERENCES TblAssetType(at\_id),

am\_make\_id INT,CONSTRAINT FK\_ASSET\_V FOREIGN KEY(am\_make\_id) REFERENCES TblVendor(vd\_id),

am\_ad\_id INT,CONSTRAINT FK\_ASSET\_AD FOREIGN KEY(am\_ad\_id) REFERENCES TblAssetDefinition(ad\_id),

am\_model VARCHAR(40),

am\_snumber VARCHAR(20),

am\_myyear VARCHAR(10),

am\_pdate Date,

am\_warranty VARCHAR(10),

am\_from Date,

am\_to Date

);