ICS Finances Database Physical Design Eduardo Davila

Users

PK	ID
	UserName
	Password
	FirstName
	LastName
	EmailAddress
	Age
FK	UserLevel
	AccountStatus
	EntryDate
	UpdateDate

Lesson

PK	ID
	LessonName
	Location
	UploadDate
	UpdateDate
FK	LessonLevel

Levels

PK	ID
	LevelDescription
	UploadDate
	UpdateDate

Calculators

PK	ID
	CalcName
	Location
FK	CalcLevel
	UploadDate
	UpdateDate

Admins

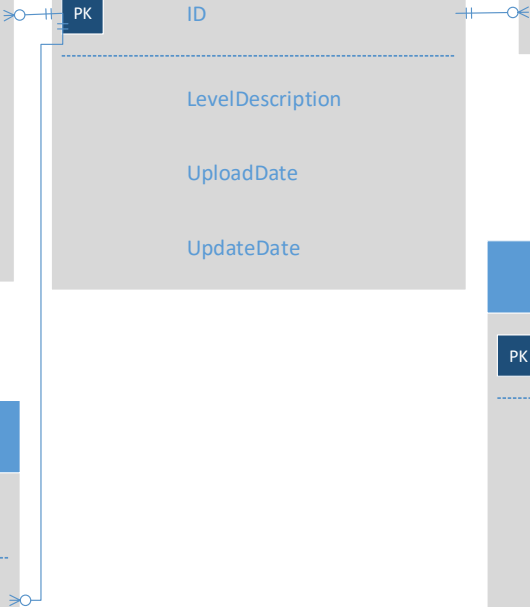| PK	ID
	UserName
	Password
	FirstName
	LastName
	EmailAddress
	AccountStatus
	EntryDate
	UpdateDate

```sql
CREATE Database ICSFinances;
CREATE TABLE EDAVILA.ICSFinances.dbo.Users (
        Id int IDENTITY(1,1) PRIMARY KEY NOT NULL,
        HashedPassword varchar(100) NOT NULL,
        UserName varchar(20)NOT NULL,
        FirstName varchar(20)NOT NULL,
        LastName varchar(20)NOT NULL,
        EmailAddress varchar(100)NOT NULL,
        Age int NOT NULL,
        UserLevel int NOT NULL,
        AccountStatus int NOT NULL,
        EntryDate datetime NOT NULL,
        UpdateDate datetime NOT NULL
  );

CREATE TABLE EDAVILA.ICSFinances.dbo.Admins (
        Id int IDENTITY(1,1) PRIMARY KEY NOT NULL,
        UserName varchar(50) NOT NULL,
        HashedPassword varchar(100) NOT NULL,
        FirstName varchar(50) NOT NULL,
        LastName varchar(50) NOT NULL,
        EmailAddress varchar(150) NOT NULL,
        AccountStatus int NOT NULL,
        EntryDate datetime NOT NULL,
        UpdateDate datetime NOT NULL
);

 CREATE TABLE EDAVILA.ICSFinances.dbo.Levels (
        Id int IDENTITY(1,1) PRIMARY KEY NOT NULL,
        LevelDesc varchar(1000),
        EntryDate datetime NOT NULL,
        UpdateDate datetime NOT NULL
);

 CREATE TABLE EDAVILA.ICSFinances.dbo.Calculators (
        Id int IDENTITY(1,1) PRIMARY KEY NOT NULL,
        CalcName varchar(40) NOT NULL,
        SiteLocation varchar(100) NOT NULL,
        CalcLevel int NOT NULL,
        EntryDate datetime NOT NULL,
        UpdateDate datetime NOT NULL
);

 CREATE TABLE EDAVILA.ICSFinances.dbo.Lessons (
        Id int IDENTITY(1,1) PRIMARY KEY NOT NULL,
        LessonName varchar(40) NOT NULL,
        SiteLocation varchar(100) NOT NULL,
        LsssonLevel int NOT NULL,
        EntryDate datetime NOT NULL,
        UpdateDate datetime NOT NULL
);
```