**//second draft**

DROP DATABASE IF EXISTS PLUGINS;

CREATE DATABASE PLUGINS;

USE PLUGINS;

DROP TABLE IF EXISTS Plugins;

CREATE TABLE Plugins(

plugin VARCHAR(50), # plugin uses as join attributes(name) in generator and fx table

developer VARCHAR(30),

type VARCHAR(20), # fx or generator

PRIMARY KEY(plugin)

);

DROP TABLE IF EXISTS Generator;

CREATE TABLE Generator(

name VARCHAR(50) PRIMARY KEY, # name of the plugin

format VARCHAR(10),

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate timestamp not null on update current\_timestamp # 0000-00-00 00:00:00

);

DROP TABLE IF EXISTS Fx;

CREATE TABLE Fx(

name VARCHAR(50) PRIMARY KEY, # name of the plugin

format VARCHAR(10),

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate timestamp not null on update current\_timestamp

);

DROP TABLE IF EXISTS User;

CREATE TABLE User(

uID INT AUTO\_INCREMENT,

name VARCHAR(30),

age INT,

downLoaded INT,

PRIMARY KEY(uID)

);

DROP TABLE IF EXISTS Downloaded;

CREATE TABLE Downloaded(

uID INT,

plugin VARCHAR(50),

downloadDate timestamp not null on update current\_timestamp,

PRIMARY KEY(uID, plugin, downloadDate),

FOREIGN KEY(uID) references User (uID) on delete cascade,

FOREIGN KEY(plugin) references Plugins (plugin) on delete cascade

);

DROP TABLE IF EXISTS Archive;

CREATE TABLE Archive(

name VARCHAR(50) primary key, # name of the plugin

format VARCHAR(10),

developer VARCHAR(30),

type VARCHAR(20), # fx or generator

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate timestamp not null on update current\_timestamp,

uID INT,

downloadDate timestamp on update current\_timestamp

);

SET GLOBAL local\_infile=1;

LOAD DATA LOCAL INFILE 'C:\\your path to data\\generator.txt' INTO TABLE Generator;

LOAD DATA LOCAL INFILE 'C:\\your path to data\\fx.txt' INTO TABLE Fx;

LOAD DATA LOCAL INFILE 'C:\\your path to data\\Downloaded.txt' INTO TABLE Downloaded;

LOAD DATA LOCAL INFILE 'C:\\your path to data\\plugins.txt' INTO TABLE Plugins;

LOAD DATA LOCAL INFILE 'C:\\your path to data\\user.txt' INTO TABLE User;

**Update: all DATE TO TIMESTAMP**

**Looks good, will try to adjust later tonight and add more queries. Thank you**

**-Jared**

**// first draft**

DROP DATABASE IF EXISTS PLUGINS;

CREATE DATABASE PLUGINS;

USE PLUGINS;

DROP TABLE IF EXISTS Generator;

CREATE TABLE Generator(

pID INT AUTO\_INCREMENT PRIMARY KEY,

dID INT,

name VARCHAR(50) UNIQUE,

format VARCHAR(10),

type VARCHAR(20),

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate TIMESTAMP,

FOREIGN KEY(dID) REFERENCES Developer(dID) on delete cascade

on update cascade

);

# TIMESTAMP AS YYYY-MM-DD

DROP TABLE IF EXISTS Fx;

CREATE TABLE Fx(

pID INT AUTO\_INCREMENT PRIMARY KEY,

dID INT,

name VARCHAR(50) UNIQUE,

format VARCHAR(10),

type VARCHAR(20),

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate TIMESTAMP,

FOREIGN KEY(dID) REFERENCES Developer(dID) on delete cascade

on update cascade

);

# TIMESTAMP AS YYYY-MM-DD

DROP TABLE IF EXISTS Developer;

CREATE TABLE Developer(

dID INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(30) UNIQUE,

webAddr VARCHAR(100),

country CHAR(4)

prefix VARCHAR(50)

);

DROP TABLE IF EXISTS Recycle;

CREATE TABLE Recycle(

pID INT AUTO\_INCREMENT PRIMARY KEY,

dID INT,

name VARCHAR(50) UNIQUE,

format VARCHAR(10),

type VARCHAR(20),

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate TIMESTAMP,

FOREIGN KEY(dID) REFERENCES Developer(dID) on delete cascade

on update cascade

);

# TIMESTAMP AS YYYY-MM-DD

DROP TABLE IF EXISTS OldPlugins;

CREATE TABLE OldPlugins(

pID INT AUTO\_INCREMENT PRIMARY KEY,

dID INT,

name VARCHAR(50) UNIQUE,

format VARCHAR(10),

type VARCHAR(20),

subtype VARCHAR(50),

isFree BOOLEAN DEFAULT FALSE,

hasLicense BOOLEAN DEFAULT FALSE,

lastUpdate TIMESTAMP,

FOREIGN KEY(dID) REFERENCES Developer(dID) on delete cascade

on update cascade

);

# TIMESTAMP AS YYYY-MM-DD