/\* entity \*/

CREATE TABLE User (

uid int,

password varchar(20),

birthday date,

email varchar(20),

PRIMARY KEY (uid)

)

CREATE TABLE Event (

eid int,

name varchar(30),

description text,

category varchar(20),

PRIMARY KEY (eid)

)

CREATE TABLE Ticket (

tid int,

price real,

happen\_date date,

seat varchar(20),

seller varchar(20),

PRIMARY KEY (tid)

)

CREATE TABLE Performer (

pid int,

name varchar(20),

birthday date,

specialty varchar(20),

PRIMARY KEY (pid)

)

CREATE TABLE Venue (

vid int,

location varchar(60),

name varchar(30),

coordinate point, 这是sql自带的类嘛还是？是的，就是一个(x,y)的数据结构

PRIMARY KEY (vid)

)

CREATE TABLE Restaurant (

rid int,

name varchar(30),

cuisine varchar(30),

PRIMARY KEY (rid)

)

CREATE TABLE Comment (

cid int,

content text,

rating int,

PRIMARY KEY (cid)

)

coomment要单独做一个entity吗？还是和review并在一起呀？

/\* relationship \*/

CREATE TABLE Participates (

uid int,

eid int,

status int,

这个要不要就用0，1，2这样的表示？都行吧

PRIMARY KEY (uid, eid),

FOREIGN KEY (uid) REFERENCES User,

FOREIGN KEY (eid) REFERENCES Event

)

CREATE TABLE Favors (

uid int,

tid int,

time timestamp,

PRIMARY KEY (uid, tid),

FOREIGN KEY (uid) REFERENCES User,

FOREIGN KEY (tid) REFERENCES Ticket

)

CREATE TABLE Has (

eid int NOT NULL,

tid int,

PRIMARY KEY (tid),

FOREIGN KEY (eid) REFERENCES Event

ON DELETE CASCADE

FOREIGN KEY (tid) REFERENCES Ticket

)

CREATE TABLE Performs (

pid int,

eid int,

PRIMARY KEY (pid, eid),

FOREIGN KEY (pid) REFERENCES Performer,

FOREIGN KEY (eid) REFERENCES Event

)

// Does it mean comment, venue or user could be null?

应该是定义在主键里面的所有attributes都不能为null吧，在后来发的那个里面改了

CREATE TABLE Reviews (

cid int NOT NULL,

vid int NOT NULL,

uid int NOT NULL,

PRIMARY KEY (cid, vid, uid),

FOREIGN KEY (cid) REFERENCES Comment,

FOREIGN KEY (vid) REFERENCES Venue

ON DELETE CASCADE,

FOREIGN KEY (uid) REFERENCES User

ON DELETE CASCADE

)

CREATE TABLE Locates (

vid int NOT NULL,

eid int,

PRIMARY KEY (eid),

FOREIGN KEY (vid) REFERENCES Venue

ON DELETE CASCADE

FOREIGN KEY (eid) REFERENCES Event

)

CREATE TABLE Nearby (

vid int,

rid int,

distance real,

PRIMARY KEY (vid, rid),

FOREIGN KEY (vid) REFERENCES Venue,

FOREIGN KEY (rid) REFERENCES Resturant

)