/\* 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),

happen\_date date,

这个时间，为觉得放在has的属性更好，我在图里改了，酒喝review类似，时间放在relation上。

description text,

category varchar(20),

PRIMARY KEY (eid)

)

CREATE TABLE Ticket (

tid int,

price int, real?

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？

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 varchar(20),

这个要不要就用0，1，2这样的表示？

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 NO ACTION, // I think it should be ON DELETE CASCADE, which means deleting an event will deleting all tickets associated with it?

应该是cascade吧 课件写no action应该只是例子 不是一定全部换成no action的吧

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

CREATE TABLE Reviews (

cid int,

vid int,

uid int,

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 NO ACTION, // Same question as Has

应该也是cascade吧 剧院塌了应该event也取消了吧。。。＝。＝

FOREIGN KEY (eid) REFERENCES Event

)

CREATE TABLE Nearby (

vid int,

rid int,

distance int, real? 实数是不是好一点

PRIMARY KEY (vid, rid),

FOREIGN KEY (vid) REFERENCES Venue,

FOREIGN KEY (rid) REFERENCES Resturant

)