/\* entity \*/

CREATE TABLE Users (

uid int PRIMARY KEY,

password varchar(30),

birthday date,

email varchar(20)

);

CREATE TABLE Event\_Locates (

vid int NOT NULL,

eid int PRIMARY KEY,

name varchar(80),

description text,

category varchar(30),

FOREIGN KEY (vid) REFERENCES Venues

ON DELETE CASCADE

);

CREATE TABLE Has\_Tickets (

eid int NOT NULL,

tid int,

price real,

happen\_date date,

seat varchar(30),

seller varchar(100),

PRIMARY KEY (tid),

FOREIGN KEY (eid) REFERENCES Event\_Locates

ON DELETE CASCADE

);

CREATE TABLE Performers (

pid int PRIMARY KEY,

name varchar(50),

birthday date,

specialty varchar(30)

);

CREATE TABLE Venues (

vid int PRIMARY KEY,

location text,

name varchar(80),

coordinate point

);

CREATE TABLE Restaurants (

rid int PRIMARY KEY,

name varchar(80),

cuisine varchar(30)

);

/\* relationship \*/

CREATE TABLE Participates (

uid int REFERENCES Users,

eid int REFERENCES Event\_Locates,

status int,

PRIMARY KEY (uid, eid)

);

CREATE TABLE Favors (

uid int REFERENCES Users,

tid int REFERENCES Has\_Tickets,

time timestamp,

PRIMARY KEY (uid, tid)

);

CREATE TABLE Performs (

pid int REFERENCES Performers,

eid int REFERENCES Event\_Locates,

PRIMARY KEY (pid, eid)

);

CREATE TABLE Reviews (

cid int,

vid int,

uid int,

content text,

rating int,

PRIMARY KEY (cid, vid, uid),

FOREIGN KEY (vid) REFERENCES Venues

ON DELETE CASCADE,

FOREIGN KEY (uid) REFERENCES Users

ON DELETE CASCADE

);

CREATE TABLE Nearby (

vid int REFERENCES Venues,

rid int REFERENCES Restaurants,

distance real,

PRIMARY KEY (vid, rid)

);