/\* 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,

PRIMARY KEY (vid)

)

CREATE TABLE Restaurant (

rid int,

name varchar(30),

cuisine varchar(30),

PRIMARY KEY (rid)

)

/\* relationship \*/

CREATE TABLE Participates (

uid int,

eid int,

status int,

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

)

CREATE TABLE Reviews (

cid int,

vid int,

uid int,

content text,

rating int,

PRIMARY KEY (cid, vid, uid),

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 Restaurant

)