

CREATE TABLE user(

user\_id INTEGER,

first\_name CHAR(20),

last\_name CHAR(20),

email CHAR(40),

birthday Date,

hometown CHAR(40),

gender CHAR(20),

password CHAR(20),

score INTEGER,

PRIMARY KEY (user\_id)

);

CREATE TABLE friendship (

user\_id1 INTEGER,

user\_id2 INTEGER,

PRIMARY KEY (user\_id1,user\_id2),

FOREIGN KEY (user\_id1) REFERENCES user(user\_id),

FOREIGN KEY (user\_id2) REFERENCES user(user\_id)

);

CREATE TABLE album (

album\_id INTEGER,

name CHAR(20),

user\_id INTEGER,

create\_date Date,

PRIMARY KEY (album\_id),

FOREIGN KEY (user\_id) REFERENCES user(user\_id)

);

CREATE TABLE own (

user\_id INTEGER,

album\_id INTEGER,

PRIMARY KEY (user\_id, album\_id),

FOREIGN KEY (user\_id) REFERENCES user(user\_id),

FOREIGN KEY (album\_id) REFERENCES album(album\_id));

CREATE TABLE photo (

photo\_id INTEGER,

caption CHAR(20),

date Date,

PRIMARY KEY (photo\_id)

);

CREATE TABLE contain (

album\_id INTEGER,

photo\_id INTEGER,

PRIMARY KEY (album\_id, photo\_id),

FOREIGN KEY (album\_id) REFERENCES album(album\_id),

FOREIGN KEY (photo\_id) REFERENCES photo(photo\_id));

CREATE TABLE tag (

tag\_id INTEGER,

word CHAR(20),

PRIMARY KEY (tag\_id)

);

CREATE TABLE associate (

photo\_id INTEGER,

tag\_id INTEGER,

PRIMARY KEY (photo\_id, tag\_id),

FOREIGN KEY (photo\_id) REFERENCES photo(photo\_id),

FOREIGN KEY (tag\_id) REFERENCES tag(tag\_id));

CREATE TABLE comment (

comment\_id INTEGER,

text CHAR(200),

user\_id INTEGER,

date Date,

PRIMARY KEY (comment\_id),

FOREIGN KEY (user\_id) REFERENCES user(user\_id)

);

CREATE TABLE about (

photo\_id INTEGER,

comment\_id INTEGER,

PRIMARY KEY (photo\_id, comment\_id),

FOREIGN KEY (photo\_id) REFERENCES photo(photo\_id),

FOREIGN KEY (comment\_id) REFERENCES comment(comment\_id));

CREATE TABLE leave (

user\_id INTEGER,

comment\_id INTEGER,

PRIMARY KEY (user\_id, comment\_id),

FOREIGN KEY (user\_id) REFERENCES user(user\_id),

FOREIGN KEY (comment\_id) REFERENCES comment(comment\_id));