#tables

create table bus (busid int NOT NULL PRIMARY KEY, routeid int,

availability int, bustype int,

timing int, vehicleno varchar(20));

create table stop(stopid int NOT NULL PRIMARY KEY, stopname varchar(20));

create table route(id INT NOT NULL PRIMARY KEY auto\_increment, routeid int, stopid int, stoprank int);

create table user(userid int NOT NULL PRIMARY KEY, fname varchar(50), lname varchar(50),

email varchar(50), contactno varchar(12), emergencycontactno varchar(12),

emergencycontactname varchar(50), bloodgroup varchar(12), password varchar(50));

create table feedback(feedbackid int NOT NULL PRIMARY KEY, comment varchar(500),

userid int, FOREIGN KEY(userid) REFERENCES user(userid));

create table buspass(buspassid int NOT NULL PRIMARY KEY,userid int,

busid int, routeid int, timing int,

FOREIGN KEY(userid) REFERENCES user(userid));

create table routerequest(routerequestid int NOT NULL PRIMARY KEY, startstop int, endstop int,

startstopname VARCHAR(20), endstopname VARCHAR(20),

requesterid int, routeexists boolean, stopsexist boolean,

timing int);

create table idgenerator(objectname varchar(40), latestid int);

#views

create view routestopname as

select routeid, stopname, stoprank from route

inner join stop using(stopid) order by routeid, stoprank;

create view availableroutebusmap as

select busid, routeid, stopname, timing from bus inner join

routestopname using(routeid)

where availability <= bustype and availability is not null

and bustype is not null order by busid,routeid,stoprank;

#datainserts

insert into stop (stopid, stopname) values(1,'INDRANAGAR');

insert into stop (stopid, stopname) values(2,'NEW THIPPASANDRA');

insert into stop (stopid, stopname) values(3,'KAGGADASPURA');

insert into stop (stopid, stopname) values(4,'MAHADEVAPURA');

insert into stop (stopid, stopname) values(5,'DODDANEKUNDI');

insert into stop (stopid, stopname) values(6,'KORAMANGALA');

insert into stop (stopid, stopname) values(7,'HSR LAYOUT');

insert into stop (stopid, stopname) values(8,'MARATHAHALLI');

insert into stop (stopid, stopname) values(9,'WHITEFIELD');

insert into stop (stopid, stopname) values(10,'HOSKOTE');

insert into stop (stopid, stopname) values(11,'ELECTRONIC CITY');

insert into stop (stopid, stopname) values(12,'JAYANAGAR');

insert into stop (stopid, stopname) values(13,'J. P. Nagar');

insert into stop (stopid, stopname) values(14,'BTM LAYOUT');

insert into stop (stopid, stopname) values(15,'BANASHANKARI');

insert into stop (stopid, stopname) values(16,'KRISHNARAJAPURA');

insert into stop (stopid, stopname) values(18,'SARJAPUR');

insert into user (userid,fname,lname,email,contactno,emergencycontactno,emergencycontactname, bloodgroup, password)

values(123451234,'Bikash','Bhagat','bhagatb@gmail.com','919008795029','9668168910','MD.Shahbaz Khan','BPOSITIVE','biku1234');

insert into routerequest (routerequestid,startstop,endstop,startstopname,endstopname,requesterid, routeexists, stopsexist,timing)

values (8,0,0,'NAKUNDI','DEVENAHALLI', 123451234, 0, 0, 1240);

insert into routerequest (routerequestid,startstop,endstop,startstopname,endstopname,requesterid, routeexists, stopsexist,timing)

values (9,14,18,null,null, 123451234, 0, 1, 300);

insert into route (routeid,stopid,stoprank) values (7,18,1);

insert into route (routeid,stopid,stoprank) values (7,16,2);

insert into route (routeid,stopid,stoprank) values (7,15,3);

insert into route (routeid,stopid,stoprank) values (7,14,4);

insert into route (routeid,stopid,stoprank) values (8,9,1);

insert into route (routeid,stopid,stoprank) values (8,10,2);

insert into route (routeid,stopid,stoprank) values (8,12,3);

insert into route (routeid,stopid,stoprank) values (8,7,4);

insert into route (routeid,stopid,stoprank) values (9,10,1);

insert into route (routeid,stopid,stoprank) values (9,6,2);

insert into route (routeid,stopid,stoprank) values (9,14,3);

insert into route (routeid,stopid,stoprank) values (9,9,4);

insert into route (routeid,stopid,stoprank) values (10,7,1);

insert into route (routeid,stopid,stoprank) values (10,12,2);

insert into route (routeid,stopid,stoprank) values (10,10,3);

insert into route (routeid,stopid,stoprank) values (10,9,4);

insert into route (routeid,stopid,stoprank) values (10,4,5);

insert into feedback (feedbackid,comment,userid) values (3,'Love Using The App!', 123451234);

insert into feedback (feedbackid,comment,userid) values (4,'When can I receive a response on my route request??', 123451234);

insert into feedback (feedbackid,comment,userid) values (5,'Best App Ever...', 123451234);

insert into buspass (buspassid,userid,busid,routeid,timing) values (7,123412341,20,9,750);

insert into bus (busid,routeid,availability,bustype,timing,vehicleno)

values (20,9,16,20,750,'KA-14H-2017');

insert into bus (busid,routeid,availability,bustype,timing,vehicleno)

values (22,8,14,16,1320,'OR-14H-5555');

insert into bus (busid,routeid,availability,bustype,timing,vehicleno)

values (23,8,16,16,420,'KA-10C-1111');

insert into bus (busid,routeid,availability,bustype,timing,vehicleno)

values (24,7,40,40,1200,'MH-12H-2200');

insert into bus (busid,routeid,availability,bustype,timing,vehicleno)

values (25,10,12,16,180,'OR-12C-9896');

insert into bus (busid,routeid,availability,bustype,timing,vehicleno)

values (27,0,30,30,-1,'KA-12C-3434');

insert into idgenerator (objectname,latestid)

values ('route',10);

insert into idgenerator (objectname,latestid)

values ('bus',27);

insert into idgenerator (objectname,latestid)

values ('routerequest',9);

insert into idgenerator (objectname,latestid)

values ('stop',18);

insert into idgenerator (objectname,latestid)

values ('buspass',7);

insert into idgenerator (objectname,latestid)

values ('feedback',5);