PROJECT FILE: Busbooking\_project

DATABASE CONNECTION FILE: database

DATABASE: Busbooking.db

IMAGES: Bus\_for\_project, home

TABLES:

BUS(

BID INT NOT NULL,

TYPE VARCHAR(15) NOT NULL,

CAPACITY INT NOT NULL,

FARE INT NOT NULL,

OPID INT NOT NULL,

ROUTEID INT NOT NULL,

PRIMARY KEY(BID),

FOREIGN KEY(OPID) REFERENCES OPERATOR(OPID),

FOREIGN KEY(ROUTEID) REFERENCES ROUTE(ROUTEID)

)

OPERATOR (

OPID INT NOT NULL,

NAME VARCHAR(25) NOT NULL,

ADDRESS VARCHAR(40) NOT NULL,

PHONE INT NOT NULL,

EMAIL VARCHAR(25) NOT NULL,

PRIMARY KEY(OPID)

)

ROUTE(

ROUTEID INT NOT NULL,

SID INT NOT NULL,

STATION\_NAME VARCHAR(15) NOT NULL,

PRIMARY KEY(ROUTEID,SID)

)

RUNS (

BUSID INT NOT NULL,

RUNSDATE DATE NOT NULL,

SEATAVAIL INT NOT NULL

)

BOOKING\_HISTORY (

REF\_NO INT,

MOBILE\_NO INT NOT NULL,

NAME\_OF\_CUSTOMER VARCHAR(25) NOT NULL,

GENDER VARCHAR(6) NOT NULL,

AGE INT NOT NULL,

FARE INT NOT NULL,

TOTAL\_NO\_OF\_SEATS INT NOT NULL,

BUSID INT NOT NULL,

BOOKING\_DATE DATE NOT NULL,

TRAVEL\_DATE DATE NOT NULL,

BOARDING\_POINT VARCHAR(15) NOT NULL,

DESTINATION\_POINT VARCHAR(15) NOT NULL,

PRIMARY KEY(REF\_NO, MOBILE\_NO)

)

TRIGGER:

CREATE TRIGGER TRIG\_BOOK\_HISTORY\_INSERT

AFTER INSERT

ON BOOKING\_HISTORY

WHEN NEW.REF\_NO IS NULL

BEGIN

UPDATE BOOKING\_HISTORY

SET REF\_NO= IFNULL((SELECT MAX(REF\_NO) FROM BOOKING\_HISTORY) + 1, 1)

WHERE REF\_NO IS NULL;

END

DESTINATIONS:

ROUTE 1: Guna, JP College, Binagunj, Biora, Bhopal

ROUTE 2: Bhopal, Biora, Binagunj, JP College, Guna

ROUTE 3: Delhi, Agra, Jhansi, Shivpuri, Guna, JP College, Binaganj, Biora, Bhopal

ROUTE 4: Bhopal, Biora, Binaganj, JP College, Guna, Shivpuri, Jhansi, Agra, Delhi

DATES:

ROUTE 1: FROM 2022-12-01, TO 2023-01-31

ROUTE 2: FROM 2022-12-01, TO 2023-01-31

ROUTE 3: FROM 2022-12-01, TO 2023-01-31

ROUTE 4: FROM 2022-12-01, TO 2023-01-31

BUSES:

(1,'AC 2x2',30,1000,1,1), (2,'AC 3x2',50,800,1,2), (3,'Non AC 2x2',30,600,1,3), (4,'Non AC 2x2',30,600,1,4)

OPERATORS:

(1,'Kamla','AB road Guna',12345,'kamlabus@gmail.com'),

(2,'Rayeen','AB road Guna',12346,'rayeen@gmail.com'),

(3,'Kalyani','Hauj Khas Delhi',12347,'kalyani@gmail.com'),

(4,'Mahakaal','AB road Jhansi',12348,'mahakaal@gmail.com')")