ONLINE TICKET RESERVATION SYSTEM

TEAM – 5

19CSE202 DBMS Project
B-Tech / II Year CSE/III Semester
19CSE202 / Database Management System
Amrita School of Engineering, Coimbatore

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Online Ticket Reservation System

Introduction

The railway is one of the vital modes of transport in the world. These days, we see trains for long and short-distance travel, which provides a more relaxed lifestyle. The management of the railway database also has a vital role in the smooth running of this system. The Online Ticket Reservation System will facilitate reserving the train tickets to travel from a particular source to the destination. These days the travelers can book the rail tickets online through Train Ticket Booking System effectively than holding up in long lines to acquire the ticket. This framework should incorporate the name of the train, source, goal, time, date of appearance or takeoff, and so on.

This project is related to online train reservation system. This system provides a platform to the customers to book or cancel a ticket in a train and admin to provide details of all the trains available.

Functionalities of the system

The admin of the system (here IRCTC) provides the details of all trains that are running between stations across the country. The details include the type of the train (Express, Shatabdi, Super-Fast, etc.), its source and destination, its route, its timings, in between stopping stations, classes present in the train etc. The fare from one station to another in a specified train is also provided by the admin. A customer can login to his/her account and can select the source and destination stations for a specified date. The trains that travel through the selected stations are listed along with the availability of seats. From these, the customer can select a train, class that he intends to travel in. If the seats are fully booked for a selected train and class, no availability status should be conveyed to the customer. Announcements can be made by the admin on the any changes in the status of trains (delay, cancelled, etc.).

Business Rules

1. Home page for the platform have a registration link for new customers as well as a login link for existing customers.
2. There are two types of users in the system – Administrator, Customers.
3. The administrator should be able to do the following: Create a train's pool by providing the details of all trains, assign seats to customers, update the changes in the seat availability. Admin should also be able to make announcements on the status of trains.
4. The customer should be able to do the following: Login/Register to the site, submit the journey details, select the train and class and book the seat.

Modules in the system

This system includes the following modules :

- New User Registration and Login.
- Available Train Details.
- Train Ticket booking and Details.
- Cancelling Ticket and Status.
- User Feedback.
- Admin Login and Dashboard with Functionalities.
- Announcements.

Benefits of the system

- This system supports the Admin by providing necessary information to the Users by which they can access the available train details for booking tickets Online.
- Overall, the main purpose of maintaining this database for the railway reservation system is to reduce the errors involved in the booking and cancelling of tickets and make it convenient for the customers and to maintain the data about the customers and about the seats available.
- By making an online application many loopholes that exist in the manual maintenance of the records can be removed. The speed of obtaining data will be fast.
- To overcome all the problems of manual reservation system we have designed a database which includes customer details, availability of seats in trains, no of trains and their details.

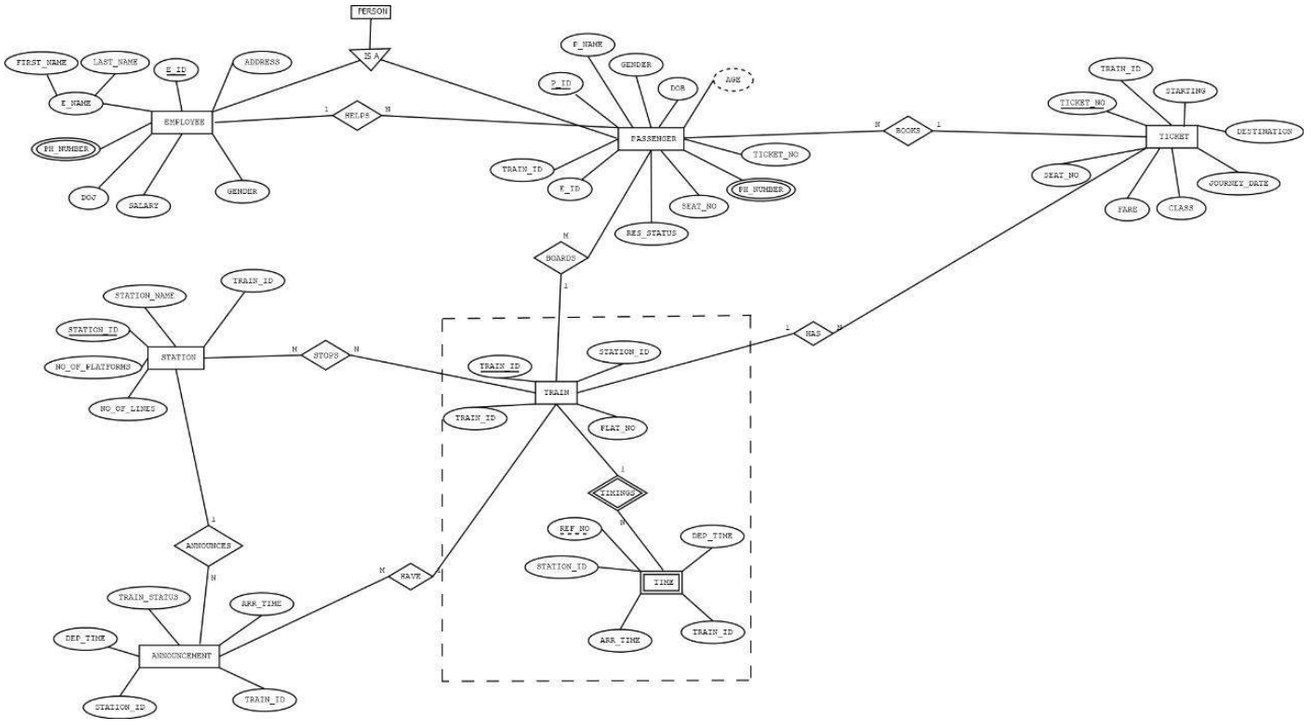
Features

- ✓ Surfing of data is easy.
- ✓ The wait time of the passengers will be reduced.
- ✓ Accuracy of the information.
- ✓ It is a fast process
- ✓ Data is efficient.

Output

1. Admin view – Customer wise, train wise, route wise.
2. Customer detail's view – train details, announcements, Ticket Registration Details.

Enhanced ER Diagram



RELATIONAL SCHEMA (BEFORE NORMALISATION)

1. Employee(E_ID,FIRST_NAME,LAST_NAME,GENDER,ADDRESS,DOJ,SALARY,PH_NUMBER).
2. PASSENGER (P_ID,P_NAME ,SEAT_NO,GENDER ,PH_NUMBER ,E_ID ,RES_STATUS,TRAIN_ID ,TICKET_NO).
3. TICKET(TICKET_NO,STARTING,DESTINATION,CLASS,FARE,TRAIN_ID,SEAT_NO,JOURNEY_DATE).
4. STATION (STATION_ID,STATION_NAME,NO_OF_LINES,NO_OF_PLATFORMS,TRAIN_ID).
5. TRAIN(TRAIN_ID ,STATION_ID,TRAIN_NAME,PLAT_NO).
6. TIME (REF_NO,DEP_TIME,ARR_TIME ,TRAIN_ID ,STATION_ID).
7. ANNOUNCEMENTS (TRAIN_ID,STATION_ID ,TRAIN_STATUS,DEP_TIME,ARR_TIME).

NORMALISATION:

- Employee(E_ID,FIRST_NAME,LAST_NAME,GENDER,ADDRESS,DOJ,SALARY,PH_NUMBER).

  FUNCTIONAL DEPENDENCIES:

  E_ID ->FIRST_NAME

  E_ID -> LAST_NAME

  E_ID -> GENDER

  E_ID -> ADDRESS

  E_ID -> DOJ

  E_ID -> SALARY

  E_ID -> PH_NUMBER

  (E_ID,FIRST_NAME)-> ADDRESS

  Essential Key : E_ID

  Candidate Key :(E_ID,FIRST_NAME)

- 1NF :

  1. NOT IN 1NF (CONTAINS MULTIVALUED ATTRIBUTES)

  2. 1NF1(E_ID, LAST_NAME,GENDER, DOJ,SALARY)

  3. 1NF2(E_ID ,PH_NUMBER)

  4. 1NF3(E_ID,FIRST_NAME,ADDRESS)

- 2NF:

  1.IT IS IN 1NF

  2.NOT IN 2NF (PARTIALLY DEPENDENT)

  3. 2NF1(E_ID, LAST_NAME,GENDER, DOJ,SALARY)

  3. 2NF2(E_ID ,PH_NUMBER)

  4. 2NF3(E_ID,FIRST_NAME)

  5. 2NF4(E_ID,ADDRESS)

  6.IT SATISFIES 2NF AS THERE IS ONLY ONE PRIMARY KEY WHICH DETERMINES ALL THE OTHER ATTRIBUTES IN THE RELATION.

- 3NF:

  1.IT IS IN 2NF

  2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

  1.IT IS IN 3NF

  2.HERE EMP_ID IS ALSO A SUPER KEY WHICH DETERMINES ALL OTHER ATTRIBUTES ,SO IT SATISFIES BCNF

- TABLES AFTER NORMALISING :

1.EMPLOYEE(E_ID, LAST_NAME,GENDER, DOJ,SALARY)

2. EMP_PH(E_ID ,PH_NUMBER)

3. EMP_FNAME(E_ID,FIRST_NAME)

4. EMP_ADDRESS(E_ID,ADDRESS)

- PASSENGER (P_ID,P_NAME ,SEAT_NO,GENDER ,PH_NUMBER ,E_ID ,RES_STATUS,TRAIN_ID ,TICKET_NO).

  FUNCTIONAL DEPENDENCIES:

  P_ID->P_NAME

  P_ID->SEAT_NO

  P_ID-> GENDER

  P_ID-> PH_NUMBER

  P_ID-> E_ID

  P_ID-> RES_STATUS

  P_ID-> TRAIN_ID

  P_ID-> TICKET_NO

  TICKET_NO->SEAT_NO

  Essential Key : P_ID

  Candidate Key :(P_ID,TICKET_NO)

- 1NF :

  1. NOT IN 1NF (CONTAINS MULTIVALUED ATTRIBUTES)

  2.INF1(P_ID,P_NAME ,GENDER ,E_ID ,RES_STATUS , TRAIN_ID)

  3.1NF2(P_ID, PH_NUMBER)

  4.1NF3(P_ID, TICKET_NO,SEAT_NO)

  2NF :

  1.IT IS IN 1NF

  2.2NF1 (P_ID,P_NAME ,GENDER ,E_ID ,RES_STATUS , TRAIN_ID)

  3.2NF2(P_ID, PH_NUMBER)

  4.2NF3(P_ID,TICKET_NO)

  5.2NF4(TICKET_NO ,SEAT_NO)

  3NF:

  1.IT IS IN 2NF

  2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

  1.IT IS IN 3NF

  2.HERE P_ID IS ALSO A SUPER KEY WHICH DETERMINES ALL OTHER ATTRIBUTES ,SO IT SATISFIES BCNF

- TABLES AFTER NORMALISING :

1.PASSENGER(P_ID,P_NAME ,GENDER ,E_ID ,RES_STATUS , TRAIN_ID)

2.PASS_PH(P_ID, PH_NUMBER)

3.PASS_TICKET(P_ID,TICKET_NO)

4.PASS_SEAT(TICKET_NO ,SEAT_NO)

- TICKET(TICKET_NO,STARTING,DESTINATION,CLASS,FARE,TRAIN_ID,SEAT_NO,JOURNEY_DATE)

  FUNCTIONAL DEPENDENCIES:

  TICKET_NO ->STARTING

  TICKET_NO -> DESTINATION

  TICKET_NO -> CLASS

  TICKET_NO -> FARE

  TICKET_NO -> TRAIN_ID

  TICKET_NO -> SEAT_NO

  TICKET_NO -> JOURNEY_DATE

  TRAIN_ID -> STARTING,DESTINATION

  Essential Key : TICKET_NO

  Candidate Key :(TICKET_NO,TRAIN_ID)

- 1NF:

1. NOT IN 1NF
2. 1NF1(TICKET_NO, CLASS,FARE,TRAIN_ID,SEAT_NO,JOURNEY_DATE)
3. 1NF2(TICKET_NO, TRAIN_ID , STARTING, DESTINATION)

   2NF :

1. IT IS IN 1NF
2. 2NF1(TICKET_NO, CLASS,FARE,TRAIN_ID,SEAT_NO,JOURNEY_DATE)
3. 2NF2(TICKET_NO, TRAIN_ID)
4. 2NF3(TRAIN_ID , STARTING, DESTINATION)

   3NF:

   1.IT IS IN 2NF

   2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

  1.IT IS IN 3NF

  2.HERE TICKET_NO IS ALSO A SUPER KEY WHICH DETERMINES ALL OTHER ATTRIBUTES ,SO IT SATISFIES BCNF

  TABLES AFTER NORMALISING :

1. TICKET(TICKET_NO, CLASS,FARE,TRAIN_ID,SEAT_NO,JOURNEY_DATE)
2. TICKET_TRAIN(TICKET_NO, TRAIN_ID)
3. TICKET_STA_DEST(TRAIN_ID , STARTING, DESTINATION)

- STATION (STATION_ID,STATION_NAME,NO_OF_LINES,NO_OF_PLATFORMS,TRAIN_ID).

  FUNCTIONAL DEPENDENCIES:

  STATION_ID->STATION_NAME

  STATION_ID-> NO_OF_LINES

  STATION_ID-> NO_OF_PLATFORMS

  STATION_ID-> TRAIN_ID

  Essential Key : STATION_ID

  Candidate Key :(STATION_ID,TRAIN_ID)

- 1NF:

1. 1NF1(STATION_ID,NO_OF_LINES,TRAIN_ID ,STATION_NAME, NO_OF_PLATFORMS)

   2NF :

1. IT IS IN 1NF
2. IT SATISFIES 2NF

   3NF:

   1.IT IS IN 2NF

   2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

  1.IT IS IN 3NF

  2.HERE STATION_ID IS ALSO A SUPER KEY WHICH DETERMINES ALL OTHER ATTRIBUTES ,SO IT SATISFIES BCNF

- TABLES AFTER NORMALISING :

1. STATION(STATION_ID,NO_OF_LINES,TRAIN_ID ,STATION_NAME, NO_OF_PLATFORMS)

- TRAIN(TRAIN_ID ,STATION_ID,TRAIN_NAME,PLAT_NO).

  FUNCTIONAL DEPENDENCIES:

  TRAIN_ID->STATION_ID

  TRAIN_ID-> TRAIN_NAME

  TRAIN_ID-> PLAT_NO

  STATION_ID->PLAT_NO

  Essential Key : TRAIN_ID

  Candidate Key :(TRAIN_ID,STATION_ID)

- 1NF:

1. NOT IN 1NF
2. 1NF1(TRAIN_ID ,TRAIN_NAME,)
3. 1NF2(TRAIN_ID , STATION_ID ,PLAT_NO)

   2NF :

1. IT IS IN 1NF
2. 2NF1(TRAIN_ID ,TRAIN_NAME,)
3. 2NF2(TRAIN_ID , STATION_ID)
4. 2NF3(STATION_ID ,PLAT_NO)

   3NF:

   1.IT IS IN 2NF

   2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

  1.IT IS IN 3NF

  2.HERE TRAIN_ID IS ALSO A SUPER KEY WHICH DETERMINES ALL OTHER ATTRIBUTES ,SO IT SATISFIES BCNF

- TABLES AFTER NORMALISING :

1. TRAIN(TRAIN_ID ,TRAIN_NAME,).
2. TRAIN_ST(TRAIN_ID ,STATION_ID).
3. TRAIN_PLAT(STATION_ID ,PLAT_NO).

- TIME (REF_NO,DEP_TIME,ARR_TIME ,TRAIN_ID ,STATION_ID).

  FUNCTIONAL DEPENDENCIES:

  REF_NO->DEP_TIME

  REF_NO-> ARR_TIME

  REF_NO-> TRAIN_ID

  REF_NO-> STATION_ID

  TRAIN_ID->ARR_TIME,DEP_TIME

  Essential Key : REF_NO

  Candidate Key :(REF_NO,TRAIN_ID),(REF_NO,STATION_ID)

- 1NF:

1. NOT IN 1NF
2. 1NF1(REF_NO ,STATION_ID).
3. 1NF2(REF_NO ,TRAIN_ID ,DEP_TIME,ARR_TIME)

   2NF :

1. IT IS IN 1NF
2. 2NF1(REF_NO ,STATION_ID).
3. 2NF2(REF_NO ,TRAIN_ID)
4. 2NF3(TRAIN_ID ,DEP_TIME,ARR_TIME)

   3NF:

   1.IT IS IN 2NF

   2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

1.IT IS IN 3NF

2.HERE REF_NO IS ALSO A SUPER KEY WHICH DETERMINES ALL OTHER ATTRIBUTES ,SO IT SATISFIES BCNF

TABLES AFTER NORMALISING :

1. TIME(REF_NO ,STATION_ID).
2. TIME_TRAIN(REF_NO ,TRAIN_ID)
3. TIME_ARR_DEPT(TRAIN_ID ,DEP_TIME,ARR_TIME)

- ANNOUNCEMENTS (TRAIN_ID,STATION_ID ,TRAIN_STATUS,DEP_TIME,ARR_TIME).

  FUNCTIONAL DEPENDENCIES:

  (TRAIN_ID,STATION_ID)->TRAIN_STATUS

  (TRAIN_ID,STATION_ID)-> DEP_TIME

  (TRAIN_ID,STATION_ID)-> ARR_TIME

  Essential Key : (TRAIN_ID,STATION_ID)

  Candidate Key : (TRAIN_ID,STATION_ID)

- 1NF:

1. INF1(TRAIN_ID,STATION_ID ,TRAIN_STATUS,DEP_TIME,ARR_TIME).

   2NF :

1. IT IS IN 1NF
2. IT SATISFIES 2NF

   3NF:

   1.IT IS IN 2NF

   2.SINCE THERE IS NO TRANSITIVE DEPENDENCY THIS TABLE FOLLOWS 3NF.

- BCNF:

  1.IT IS IN 3NF

  2.HERE WE HAVE (TRAIN_ID,STATION_ID) AS CANDIDATE KEY

  3.BCNF1(TRAIN_ID, TRAIN_STATUS,DEP_TIME,ARR_TIME).

  4.BCNF2(STATION_ID , TRAIN_STATUS,DEP_TIME,ARR_TIME).

- TABLES AFTER NORMALISING :

  1. ANN0N_TRAIN(TRAIN_ID, TRAIN_STATUS,DEP_TIME,ARR_TIME).

  2. ANNON_TRAI_STAT(TRAIN_ID,STATION_ID).

RELATIONAL SCHEMA (AFTER NORMALISATION)

- EMPLOYEE(E_ID, LAST_NAME,GENDER, DOJ,SALARY)
- EMP_PH(E_ID ,PH_NUMBER)
- EMP_FNAME(E_ID,FIRST_NAME)
- EMP_ADDRESS(E_ID,ADDRESS)
- PASSENGER(P_ID,P_NAME ,GENDER ,E_ID ,RES_STATUS , TRAIN_ID)
- PASS_PH(P_ID, PH_NUMBER)
- PASS_TICKET(P_ID,TICKET_NO)
- PASS_SEAT(TICKET_NO ,SEAT_NO)
- TICKET(TICKET_NO, CLASS,FARE,TRAIN_ID,SEAT_NO,JOURNEY_DATE)
- TICKET_TRAIN(TICKET_NO, TRAIN_ID)
- TICKET_STA_DEST(TRAIN_ID , STARTING, DESTINATION)
- STATION(STATION_ID,NO_OF_LINES,TRAIN_ID ,STATION_NAME, NO_OF_PLATFORMS)
- TRAIN(TRAIN_ID ,TRAIN_NAME,).
- TRAIN_ST(TRAIN_ID ,STATION_ID).
- TRAIN_PLAT(STATION_ID ,PLAT_NO).
- TIME(REF_NO ,STATION_ID).
- TIME_TRAIN(REF_NO ,TRAIN_ID)
- TIME_ARR_DEPT(TRAIN_ID ,DEP_TIME,ARR_TIME)
- ANN0N_TRAIN(TRAIN_ID, TRAIN_STATUS,DEP_TIME,ARR_TIME).
- ANNON_TRAI_STAT(TRAIN_ID,STATION_ID).

TABLE CREATION AND VALUES INSERTION

EMPLOYEE :

CREATE TABLE EMPLOYEE(E_ID INT PRIMARY KEY, LAST_NAME VARCHAR(20) NOT NULL,GENDER VARCHAR(5)NOT NULL, DOB DATE NOT NULL,SALARY INT NOT NULL);

EMP_PH:

CREATE TABLE EMP_PH(E_ID INT,CONSTRAINT fk_1 FOREIGN KEY(E_ID) REFERENCES EMPLOYEE(E_ID),PH_NUMBER INT NOT NULL);

EMP_FNAME:

CREATE TABLE EMP_FNAME(E_ID INT,CONSTRAINT fk_2 FOREIGN KEY(E_ID) REFERENCES EMPLOYEE(E_ID),FIRST_NAME VARCHAR(10);

EMP_ADDRESS:

CREATE TABLE EMP_ADDRESS(E_ID INT,CONSTRAINT fk_3 FOREIGN KEY(E_ID) REFERENCES EMPLOYEE(E_ID),ADDRESS VARCHAR(20);

EMPLOYEE :

INSERT INTO EMPLOYEE VALUES (1,'SURYA','M',DATE '1980-09-08',5000);

INSERT INTO EMPLOYEE VALUES (2,'NANDHU','M',DATE '1985-12-19',10000);

INSERT INTO EMPLOYEE VALUES (3,'RAJINI','M',DATE '1980-11-29',9000);

INSERT INTO EMPLOYEE VALUES (4,'LOKESH','M',DATE '1980-01-16',7000);

INSERT INTO EMPLOYEE VALUES (5,'SREERAM','M',DATE '1980-04-15',20000);

INSERT INTO EMPLOYEE VALUES (6,'PAVAN','M',DATE '1980-01-23',50000);

INSERT INTO EMPLOYEE VALUES (7,'GIRISH','M',DATE '1980-02-04',500000);

INSERT INTO EMPLOYEE VALUES (8,'RAMYA','F',DATE '1980-05-17',9000);

INSERT INTO EMPLOYEE VALUES (9,'RESHMI','F',DATE '1980-08-21',54000);

INSERT INTO EMPLOYEE VALUES (10,'RANI','F',DATE '1980-07-27',15000);

E_ID	LAST_NAME	GENDER	DOB	SALARY
1	SURYA	M	08-SEP-80	5000
2	NANDHU	M	19-DEC-85	10000
3	RAJINI	M	29-NOV-80	9000
4	LOKESH	M	16-JAN-80	7000
5	SREERAM	M	15-APR-80	20000
6	PAVAN	M	23-JAN-80	50000
7	GIRISH	M	04-FEB-80	500000
8	RAMYA	F	17-MAY-80	9000
9	RESHMI	F	21-AUG-80	54000
10	RANI	F	27-JUL-80	15000

EMP_PH:

INSERT INTO EMP_PH VALUES (1,9876543218);

INSERT INTO EMP_PH VALUES (2,9876543223);

INSERT INTO EMP_PH VALUES (3,9876543289);

INSERT INTO EMP_PH VALUES (4,9876543211);

INSERT INTO EMP_PH VALUES (5,9876543213);

INSERT INTO EMP_PH VALUES (6,9876543267);

INSERT INTO EMP_PH VALUES (7,9876543277);

INSERT INTO EMP_PH VALUES (8,9876543299);

INSERT INTO EMP_PH VALUES (9,9876543214);

INSERT INTO EMP_PH VALUES (1,9876543229);

E_ID	PH_NUMBER
1	9876543218
2	9876543223
3	9876543289
4	9876543211
5	9876543213
6	9876543267
7	9876543277
8	9876543299
9	9876543214
1	9876543229

EMP_FNAME:

INSERT INTO EMP_FNAME VALUES(1,'PRATHIPATI');

INSERT INTO EMP_FNAME VALUES (2,'KAPPU');

INSERT INTO EMP_FNAME VALUES (3,'KORTALA');

INSERT INTO EMP_FNAME VALUES (4,'BOPPUDI');

INSERT INTO EMP_FNAME VALUES (5,'KAMMARA');

INSERT INTO EMP_FNAME VALUES (6,'CHINTHA');

INSERT INTO EMP_FNAME VALUES (7,'ISSAC');

INSERT INTO EMP_FNAME VALUES (8,'JANNI');

INSERT INTO EMP_FNAME VALUES (9,'KANKAM');

INSERT INTO EMP_FNAME VALUES (10,'GOJJA');

E_ID	FIRST_NAME
1	PRATHIPATI
2	KAPPU
3	KORTALA
4	BOPPUDI
5	KAMMARA
6	CHINTHA
7	ISSAC
8	JANNI
9	KANKAM
10	GOJJA

EMP_ADDRESS:

INSERT INTO EMP_ADDRESS VALUES (1,'112 WEST GODAVARI');

INSERT INTO EMP_ADDRESS VALUES (2,'114 PRAKASAM');

INSERT INTO EMP_ADDRESS VALUES (3,'113 GUNTUR');

INSERT INTO EMP_ADDRESS VALUES (4,'234 KURNOOL');

INSERT INTO EMP_ADDRESS VALUES (5,'117 KADAPA');

INSERT INTO EMP_ADDRESS VALUES (6,'345 WEST GODAVARI');

INSERT INTO EMP_ADDRESS VALUES (7,'112 EAST HYDERABAD');

INSERT INTO EMP_ADDRESS VALUES (8,'423 KURNOOL');

INSERT INTO EMP_ADDRESS VALUES (9,'124 CHENNAI');

INSERT INTO EMP_ADDRESS VALUES (10,'133 WEST CHENNAI');

E_ID	ADDRESS
1	112 WEST GODAVARI
2	114 PRAKASAM
3	113 GUNTUR
4	234 KURNOOL
5	117 KADAPA
6	345 WEST GODAVARI
7	112 EAST HYDERABAD
8	423 KURNOOL
9	124 CHENNAI
10	133 WEST CHENNAI

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PASSENGER:

CREATE TABLE PASSENGER(P_ID INT PRIMARY KEY,P_NAME VARCHAR (20),GENDER VARCHAR(5),E_ID INT,RES_STATUS VARCHAR(10),TRAIN_ID INT);

PASS_PH:

CREATE TABLE PASS_PH(P_ID INT,CONSTRAINT fk_1 FOREIGN KEY(P_ID) REFERENCES PASSENGER(P_ID), PH_NUMBER INT);

PASS_TICKET:

CREATE TABLE PASS_TICKET(P_ID INT,CONSTRAINT fk_2 FOREIGN KEY(P_ID) REFERENCES PASSENGER(P_ID),TICKET_NO INT NOT NULL);

PASS_SEAT:

CREATE TABLE PASS_SEAT(TICKET_NO INT PRIMARY KEY,SEAT_NO INT UNIQUE,CONSTRAINT fk_4 FOREIGN KEY(TICKET_NO) REFERENCES PASSENGER_TICKET(TICKET_NO));

PASSENGER:

INSERT INTO PASSENGER VALUES (101,'PRAKASH','M',1,'CONFIRMED',100011);

INSERT INTO PASSENGER VALUES (102,'AKSAH','M',2,'CONFIRMED',100045);

INSERT INTO PASSENGER VALUES (103,'RAVINDRA','M',3,'CONFIRMED',100019);

INSERT INTO PASSENGER VALUES (104,'PRIYANKA','F',4,'CONFIRMED',100102);

INSERT INTO PASSENGER VALUES (105,'MANOJ','M',5,'CONFIRMED',100091);

INSERT INTO PASSENGER VALUES (106,'SUNIL','M',6,'CONFIRMED',100021);

INSERT INTO PASSENGER VALUES (107,'GOPI','M',7,'CONFIRMED',100031);

INSERT INTO PASSENGER VALUES (108,'PRASHANTHI','F',8,'CONFIRMED',100042);

INSERT INTO PASSENGER VALUES (109,'ALIBASHA','M',9,'CONFIRMED',100177);

INSERT INTO PASSENGER VALUES (110,'RAHUL','M',10,'CONFIRMED',100032);

P_ID	P_NAME	GENDER	E_ID	RES_STATUS	TRAIN_ID
101	PRAKASH	M	1	CONFIRMED	100011
102	AKSAH	M	2	CONFIRMED	100045
103	RAVINDRA	M	3	CONFIRMED	100019
104	PRIYANKA	F	4	CONFIRMED	100102
105	MANOJ	M	5	CONFIRMED	100091
106	SUNIL	M	6	CONFIRMED	100021
107	GOPI	M	7	CONFIRMED	100031
108	PRASHANTHI	F	8	CONFIRMED	100042
109	ALIBASHA	M	9	CONFIRMED	100177
110	RAHUL	M	10	CONFIRMED	100032

PASS_PH:

INSERT INTO PASS_PH VALUES (101,9989898970);

INSERT INTO PASS_PH VALUES (102,9989898345);

INSERT INTO PASS_PH VALUES (103,7689898970);

INSERT INTO PASS_PH VALUES (104,8979898970);

INSERT INTO PASS_PH VALUES (105,7549898970);

INSERT INTO PASS_PH VALUES (106,9019898970);

INSERT INTO PASS_PH VALUES (107,9419898970);

INSERT INTO PASS_PH VALUES (108,9328989897);

INSERT INTO PASS_PH VALUES (109,9989898939);

INSERT INTO PASS_PH VALUES (110,8886789087);

P_ID	PH_NUMBER
101	9989898970
102	9989898345
103	7689898970
104	8979898970
105	7549898970
106	9019898970
107	9419898970
108	9328989897
109	9989898939
110	8886789087

PASS_TICKET:

INSERT INTO PASS_TICKET VALUES(101,'S1121');

INSERT INTO PASS_TICKET VALUES(102,'S6421');

INSERT INTO PASS_TICKET VALUES(103,'S2721');

INSERT INTO PASS_TICKET VALUES(104,'S3351');

INSERT INTO PASS_TICKET VALUES(105,'S2242');

INSERT INTO PASS_TICKET VALUES(106,'S8793');

INSERT INTO PASS_TICKET VALUES(107,'S6672');

INSERT INTO PASS_TICKET VALUES(108,'S9117');

INSERT INTO PASS_TICKET VALUES(109,'S2456');

INSERT INTO PASS_TICKET VALUES(110,'S2321');

P_ID	TICKET_NO
101	S1121
102	S6421
103	S2721
104	S3351
105	S2242
106	S8793
107	S6672
108	S9117
109	S2456
110	S2321

PASS_SEAT:

INSERT INTO PASS_SEAT VALUES ('S1121','A11');

INSERT INTO PASS_SEAT VALUES ('S6421','J11');

INSERT INTO PASS_SEAT VALUES ('S3351','B31');

INSERT INTO PASS_SEAT VALUES ('S9117','H22');

INSERT INTO PASS_SEAT VALUES ('S2242','A37');

INSERT INTO PASS_SEAT VALUES ('S8793','T59');

INSERT INTO PASS_SEAT VALUES ('S6672','B53');

INSERT INTO PASS_SEAT VALUES ('S1129','C86');

INSERT INTO PASS_SEAT VALUES ('S2317','Y21');

INSERT INTO PASS_SEAT VALUES ('S8722','N19');

TICKET_NO	SEAT_NO
S1121	A11
S6421	J11
S3351	B31
S9117	H22
S2242	A37
S8793	T59
S6672	B53
S1129	C86
S2317	Y21
S8722	N19

TICKET:

CREATE TABLE TICKET(TICKET_NO VARCHAR(10) PRIMARY KEY, CLASS VARCHAR(10),FARE INT ,TRAIN_ID INT ,SEAT_NO VARCHAR(20),JOURNEY_DATE DATE);

TICKET_TRAIN:

CREATE TABLE TICKET_TRAIN(TICKET_NO VARCHAR(10),CONSTRAINT fk_1 FOREIGN KEY(TICKET_NO) REFERENCES TICKET(TICKET_NO), TRAIN_ID INT ,PRIMARY KEY(TRAIN_ID));

TICKET_STA_DEST:

CREATE TABLE TICKET_STA_DEST(TRAIN_ID INT, STARTING VARCHAR(20), DESTINATION VARCHAR(10),CONSTRAINT fk_2 FOREIGN KEY(TRAIN_ID) REFERENCES TICKET_TRAIN(TRAIN_ID));

TICKET:

INSERT INTO TICKET VALUES ('S1121','SLEEPER CLASS',2400,100011,'A11',DATE '2021-09-08');

INSERT INTO TICKET VALUES ('S6672','BUSINESS CLASS',3000,100045,'J11',DATE '2020-11-13');

INSERT INTO TICKET VALUES ('S3351','FIRST CLASS',4500,100019,'B31',DATE '2002-12-08');

INSERT INTO TICKET VALUES ('S2242','SLEEPERCLASS',8100,100102,'H22',DATE '2001-06-19');

INSERT INTO TICKET VALUES ('S9117','BUSINESS CLASS',2300,100091,'A37',DATE '2005-04-17');

INSERT INTO TICKET VALUES ('S1234','SLEEPERCLASS',1200,100031,'T59',DATE '2009-03-03');

INSERT INTO TICKET VALUES ('S9870','SLEEPERCLASS',8200,100021,'B53',DATE '2015-10-01');

INSERT INTO TICKET VALUES ('S1342','SLEEPERCLASS',1700,100177,'C86',DATE '2018-01-12');

INSERT INTO TICKET VALUES ('S1908','FIRSTCLASS',2100,100032,'Y21',DATE '2017-07-06');

INSERT INTO TICKET VALUES ('S4521','BUSINESS CLASS',6400,100231,'M19',DATE '2012-12-09');

TICKET_NO	CLASS	FARE	TRAIN_ID	SEAT_NO	JOURNEY_DATE
S1121	SLEEPER CLASS	2400	100011	A11	08-SEP-21
S6672	BUSINESS CLASS	3000	100045	J11	13-NOV-20
S3351	FIRST CLASS	4500	100019	B31	08-DEC-02
S2242	SLEEPERCLASS	8100	100102	H22	19-JUN-01
S9117	BUSINESS CLASS	2300	100091	A37	17-APR-05
S1234	SLEEPERCLASS	1200	100031	T59	03-MAR-09
S9870	SLEEPERCLASS	8200	100021	B53	01-OCT-15
S1342	SLEEPERCLASS	1700	100177	C86	12-JAN-18
S1908	FIRSTCLASS	2100	100032	Y21	06-JUL-17
S4521	BUSINESS CLASS	6400	100231	M19	09-DEC-12

TICKET_TRAIN:

INSERT INTO TICKET_TRAIN VALUES ('S1121',100011);

INSERT INTO TICKET_TRAIN VALUES ('S6672',100045);

INSERT INTO TICKET_TRAIN VALUES ('S3351',100019);

INSERT INTO TICKET_TRAIN VALUES ('S2242',100102);

INSERT INTO TICKET_TRAIN VALUES ('S9117',100091);

INSERT INTO TICKET_TRAIN VALUES ('S1234',100031);

INSERT INTO TICKET_TRAIN VALUES ('S4521',100021);

INSERT INTO TICKET_TRAIN VALUES ('S9870',100177);

INSERT INTO TICKET_TRAIN VALUES ('S1908',100032);

INSERT INTO TICKET_TRAIN VALUES ('S1342',100121);

TICKET_NO	TRAIN_ID
S1121	100011
S6672	100045
S3351	100019
S2242	100102
S9117	100091
S1234	100031
S4521	100021
S9870	100177
S1908	100032
S1342	100121

TICKET_STA_DEST:

INSERT INTO TICKET_STA_DEST VALUES(100011,'CHENNAI','HYDERABAD');

INSERT INTO TICKET_STA_DEST VALUES(100045,'BANGALORE','DELHI');

INSERT INTO TICKET_STA_DEST VALUES(100102,'COIMBATORE','KURNOOL');

INSERT INTO TICKET_STA_DEST VALUES(100019,'KURNOOL','AHMEDABAD');

INSERT INTO TICKET_STA_DEST VALUES(100091,'KOCHI','VIJAYAWADA');

INSERT INTO TICKET_STA_DEST VALUES(100031,'THIRUVANANTHAPURAM','VIZAG');

INSERT INTO TICKET_STA_DEST VALUES(100021,'GOA','AMARAVATI');

INSERT INTO TICKET_STA_DEST VALUES(100177,'AMARAVATI','HYDERABAD');

INSERT INTO TICKET_STA_DEST VALUES(100042,'MUMBAI','KOLKATHA');

INSERT INTO TICKET_STA_DEST VALUES(100032,'PUNE','JAIPUR');

TRAIN_ID	STARTING	DESTINATION
100011	CHENNAI	HYDERABAD
100045	BANGALORE	DELHI
100102	COIMBATORE	KURNOOL
100019	KURNOOL	AHMEDABAD
100091	KOCHI	VIJAYAWADA
100031	THIRUVANANTHAPURAM	VIZAG
100021	GOA	AMARAVATI
100177	AMARAVATI	HYDERABAD
100042	MUMBAI	KOLKATHA
100032	PUNE	JAIPUR

STATION:

CREATE TABLE STATION (STATION_ID VARCHAR2(10) NOT NULL,STATION_NAME VARCHAR2(50),

NO_OF_LINES NUMBER(3),NO_OF_PLATFORMS NUMBER(3),TRAIN_ID NUMBER(5) ,CONSTRAINT PK_STID PRIMARY KEY(STATION_ID));

STATION:

INSERT INTO STATION VALUES ('ACND','A N DEV NAGAR',14,10,26655);

INSERT INTO STATION VALUES ('CSMT','CHHATRAPATHI SHIVAJI MAHARAJ TERMINUS',15,11,27878);

INSERT INTO STATION VALUES('CC','CHENNAI CENTRAL',16,11,39988);

INSERT INTO STATION VALUES('BAPR','BALLAPUR',16,11,29899);

INSERT INTO STATION VALUES('CDG','CHANDIGARH',15,10,24777);

INSERT INTO STATION VALUES('BZA','VIJAYAWADA JN',12,12,19383);

INSERT INTO STATION VALUES('CBE','COIMBATORE JN',15,11,19877);

INSERT INTO STATION VALUES('SBC','KSR BENGALURU',20,19,26677);

INSERT INTO STATION VALUES('MMCT','MUMBAI CENTRAL',13,13,24533);

INSERT INTO STATION VALUES('GRT','GUJARAT',12,13,25667);

STATION_ID	STATION_NAME	NO_OF_LINES	NO_OF_PLATFORMS	TRAIN_ID
ACND	A N DEV NAGAR	14	10	26655
CC	CHENNAI CENTRAL	16	11	39988
BAPR	BALLAPUR	16	11	29899
CDG	CHANDIGARH	15	10	24777
BZA	VIJAYAWADA JN	12	12	19383
CBE	COIMBATORE JN	15	11	19877
SBC	KSR BENGALURU	20	19	26677
MMCT	MUMBAI CENTRAL	13	13	24533
GRT	GUJARAT	12	13	25667

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TRAIN:

CREATE TABLE TRAIN(TRAIN_ID NUMBER(5),TRAIN_NAME VARCHAR2(20),CONSTRAINT PK_TRAIN PRIMARY KEY(TRAIN_ID));

TRAIN_ST:

CREATE TABLE TRAIN_ST(TRAIN_ID NUMBER(5) NOT NULL ,STATION_ID VARCHAR2(10),CONSTRAINT FK_T FOREIGN KEY(TRAIN_ID) REFERENCES TRAIN(TRAIN_ID),CONSTRAINT PK_S PRIMARY KEY(STATION_ID));

TRAIN_PLAT:

CREATE TABLE TRAIN_PLAT(STATION_ID VARCHAR2(10) ,PLAT_NO NUMBER(5),CONSTRAINT FK_S FOREIGN KEY(STATION_ID) REFERENCES TRAIN_ST(STATION_ID));

TRAIN:

INSERT INTO TRAIN VALUES(26655,'FLYER EXPRESS');

INSERT INTO TRAIN VALUES(27878,'DELTA EXPRESS');

INSERT INTO TRAIN VALUES(39988,'EASTERN EXPRESS');

INSERT INTO TRAIN VALUES(29899,'FIREFLY EXPRESS');

INSERT INTO TRAIN VALUES(24777,'WESTERN EXPRESS');

INSERT INTO TRAIN VALUES(19383,'DAYLIGHT EXPRESS');

INSERT INTO TRAIN VALUES(19877,'EMPIRE EXPRESS');

INSERT INTO TRAIN VALUES(26677,'DELTA EXPRESS');

INSERT INTO TRAIN VALUES(24533,'EASTERN EXPRESS');

INSERT INTO TRAIN VALUES(25667,'DELTA EXPRESS');

TRAIN_ID	TRAIN_NAME
26655	FLYER EXPRESS
27878	DELTA EXPRESS
39988	EASTERN EXPRESS
29899	FIREFLY EXPRESS
24777	WESTERN EXPRESS
19383	DAYLIGHT EXPRESS
19877	EMPIRE EXPRESS
26677	DELTA EXPRESS
24533	EASTERN EXPRESS
25667	DELTA EXPRESS

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10 rows selected.

TRAIN_ST:

INSERT INTO TRAIN_ST VALUES(26655,'ACND');

INSERT INTO TRAIN_ST VALUES(27878,'GRT');

INSERT INTO TRAIN_ST VALUES(39988,'MMCT');

INSERT INTO TRAIN_ST VALUES(29899,'SBC');

INSERT INTO TRAIN_ST VALUES(24777,'CBE');

INSERT INTO TRAIN_ST VALUES(19383,'BZA');

INSERT INTO TRAIN_ST VALUES(19877,'CDG');

INSERT INTO TRAIN_ST VALUES(26677,'BAPR');

INSERT INTO TRAIN_ST VALUES(24533,'CC');

INSERT INTO TRAIN_ST VALUES(25667,'CSMT');

TRAIN_ID	STATION_ID
26655	ACND
27878	GRT
39988	MMCT
29899	SBC
24777	CBE
19383	BZA
19877	CDG
26677	BAPR
24533	CC
25667	CSMT

Download CSV

TRAIN_PLAT:

INSERT INTO TRAIN_PLAT VALUES('ACND',1);

INSERT INTO TRAIN_PLAT VALUES('GRT',2);

INSERT INTO TRAIN_PLAT VALUES('MMCT',3);

INSERT INTO TRAIN_PLAT VALUES('SBC',4);

INSERT INTO TRAIN_PLAT VALUES('CBE',5);

INSERT INTO TRAIN_PLAT VALUES('BZA',6);

INSERT INTO TRAIN_PLAT VALUES('CDG',7);

INSERT INTO TRAIN_PLAT VALUES('BAPR',8);

INSERT INTO TRAIN_PLAT VALUES('CC',9);

INSERT INTO TRAIN_PLAT VALUES('CSMT',10);

STATION_ID	PLAT_NO
ACND	1
GRT	2
MMCT	3
SBC	4
CBE	5
BZA	6
CDG	7
BAPR	8
CC	9
CSMT	10

Download CSV

10 rows selected.

TIME:

CREATE TABLE TIME(REF_NO NUMBER(5) ,STATION_ID VARCHAR2(10) ,CONSTRAINT PK_REF PRIMARY KEY(REF_NO));

TIME_TRAIN:

CREATE TABLE TIME_TRAIN(REF_NO NUMBER(5) ,TRAIN_ID NUMBER(5),CONSTRAINT FK_REF FOREIGN KEY(REF_NO) REFERENCES TIME(REF_NO));

TIME_ARR_DEPT:

CREATE TABLE TIME_ARR_DEPT(TRAIN_ID NUMBER(5),DEP_TIME VARCHAR2(10),ARR_TIME VARCHAR2(10),CONSTRAINT FK_TR FOREIGN KEY(TRAIN_ID) REFERENCES TIME_TRAIN(TRAIN_ID));

TIME:

INSERT INTO TIME VALUES (1,'ACND');

INSERT INTO TIME VALUES (2,'GRT');

INSERT INTO TIME VALUES (3,'MMCT');

INSERT INTO TIME VALUES (4,'SBC');

INSERT INTO TIME VALUES (5,'CBE');

INSERT INTO TIME VALUES (6,'BZA');

INSERT INTO TIME VALUES (7,'CDG');

INSERT INTO TIME VALUES (8,'BAPR');

INSERT INTO TIME VALUES (9,'CC');

INSERT INTO TIME VALUES (10,'CSMT');

REF_NO	STATION_ID
1	ACND
2	GRT
3	MMCT
4	SBC
5	CBE
6	BZA
7	CDG
8	BAPR
9	CC
10	CSMT

Download CSV

10 rows selected.

TIME_TRAIN:

INSERT INTO TIME_TRAIN VALUES (1,26655);

INSERT INTO TIME_TRAIN VALUES (2,27878);

INSERT INTO TIME_TRAIN VALUES (3,39988);

INSERT INTO TIME_TRAIN VALUES (4,29899);

INSERT INTO TIME_TRAIN VALUES (5,24777);

INSERT INTO TIME_TRAIN VALUES (6,19383);

INSERT INTO TIME_TRAIN VALUES (7,19877);

INSERT INTO TIME_TRAIN VALUES (8,26677);

INSERT INTO TIME_TRAIN VALUES (9,24533);

INSERT INTO TIME_TRAIN VALUES (10,25667);

REF_NO	TRAIN_ID
1	26655
2	27878
3	39988
4	29899
5	24777
6	19383
7	19877
8	26677
9	24533
10	25667

Download CSV

10 rows selected.

TIME_ARR_DEPT:

INSERT INTO TIME_ARR_DEPT VALUES (26655,'8:30','8:10');

INSERT INTO TIME_ARR_DEPT VALUES (27878,'8:40','8:30');

INSERT INTO TIME_ARR_DEPT VALUES (39988,'9:10','9:00');

INSERT INTO TIME_ARR_DEPT VALUES (29899,'9:40','9:30');

INSERT INTO TIME_ARR_DEPT VALUES (24777,'10:10','10:00');

INSERT INTO TIME_ARR_DEPT VALUES (19383,'6:00','5:50');

INSERT INTO TIME_ARR_DEPT VALUES (19877,'7:10','7:00');

INSERT INTO TIME_ARR_DEPT VALUES (26677,'8:10','8:00');

INSERT INTO TIME_ARR_DEPT VALUES (24533,'9:10','9:00');

INSERT INTO TIME_ARR_DEPT VALUES (25667,'11:10','11:00');

TRAIN_ID	DEP_TIME	ARR_TIME
26655	8:30	8:10
27878	8:40	8:30
39988	9:10	9:00
29899	9:40	9:30
24777	10:10	10:00
19383	6:00	5:50
19877	7:10	7:00
26677	8:10	8:00
24533	9:10	9:00
25667	11:10	11:00

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10 rows selected.

ANNON_TRAIN:

CREATE TABLE ANNON_TRAIN (TRAIN_ID NUMBER(5) ,TRAIN_STATUS VARCHAR2(10),DEP_TIME VARCHAR2(10),ARR_TIME VARCHAR2(10),CONSTRAINT PK_TRID PRIMARY KEY(TRAIN_ID));

ANNON_TRAI_STAT:

CREATE TABLE ANNON_TRAI_STAT(TRAIN_ID NUMBER(5),STATION_ID VARCHAR2(20),CONSTRAINT FK_TRID FOREIGN KEY(TRAIN_ID) REFERENCES ANNON_TRAIN(TRAIN_ID));

ANNON_TRAIN:

INSERT INTO ANNON_TRAIN VALUES(26655,'DELAY ','9:10','9:00');

INSERT INTO ANNON_TRAIN VALUES(29899,'ON_TIME','9:40','9:30');

INSERT INTO ANNON_TRAIN VALUES(24777,'DELAY','10:10','10:00');

INSERT INTO ANNON_TRAIN VALUES(19383,'ON_TIME','6:00','5:50');

INSERT INTO ANNON_TRAIN VALUES(19877,'ON_TIME','7:10','7:00');

INSERT INTO ANNON_TRAIN VALUES(26677,'DELAY','8:10','8:00');

INSERT INTO ANNON_TRAIN VALUES(24533,'DELAY','9:10','9:00');

INSERT INTO ANNON_TRAIN VALUES(25667,'DELAY','11:10','11:00');

INSERT INTO ANNON_TRAIN VALUES(27878,'ON_TIME','8:40','8:30');

INSERT INTO ANNON_TRAIN VALUES(39988,'DELAY','9:10','9:00');

TRAIN_ID	TRAIN_STATUS	DEP_TIME	ARR_TIME
26655	DELAY	9:10	9:00
29899	ON_TIME	9:40	9:30
24777	DELAY	10:10	10:00
19383	ON_TIME	6:00	5:50
19877	ON_TIME	7:10	7:00
26677	DELAY	8:10	8:00
24533	DELAY	9:10	9:00
25667	DELAY	11:10	11:00
27878	ON_TIME	8:40	8:30
39988	DELAY	9:10	9:00

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10 rows selected.

ANNON_TRAI_STAT:

INSERT INTO ANNON_TRAI_STAT VALUES(26655,'ACND');

INSERT INTO ANNON_TRAI_STAT VALUES(29899,'SBC');

INSERT INTO ANNON_TRAI_STAT VALUES(24777,'CBE');

INSERT INTO ANNON_TRAI_STAT VALUES(19383,'BZA');

INSERT INTO ANNON_TRAI_STAT VALUES(19877,'CDG');

INSERT INTO ANNON_TRAI_STAT VALUES(26677,'BAPR');

INSERT INTO ANNON_TRAI_STAT VALUES(24533,'CC');

INSERT INTO ANNON_TRAI_STAT VALUES(25667,'CSMT');

INSERT INTO ANNON_TRAI_STAT VALUES(27878,'GRT');

INSERT INTO ANNON_TRAI_STAT VALUES(39988,'MMCT');

TRAIN_ID	STATION_ID
26655	ACND
29899	SBC
24777	CBE
19383	BZA
19877	CDG
26677	BAPR
24533	CC
25667	CSMT
27878	GRT
39988	MMCT

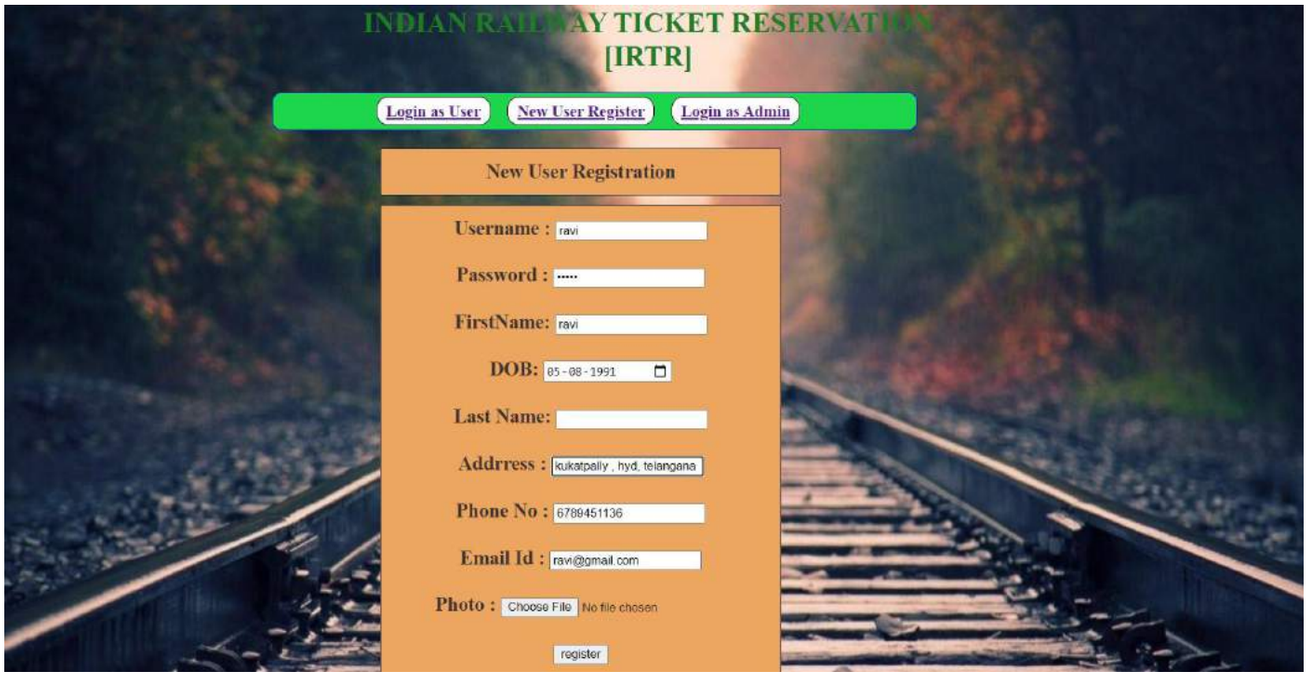
Download CSV

10 rows selected.

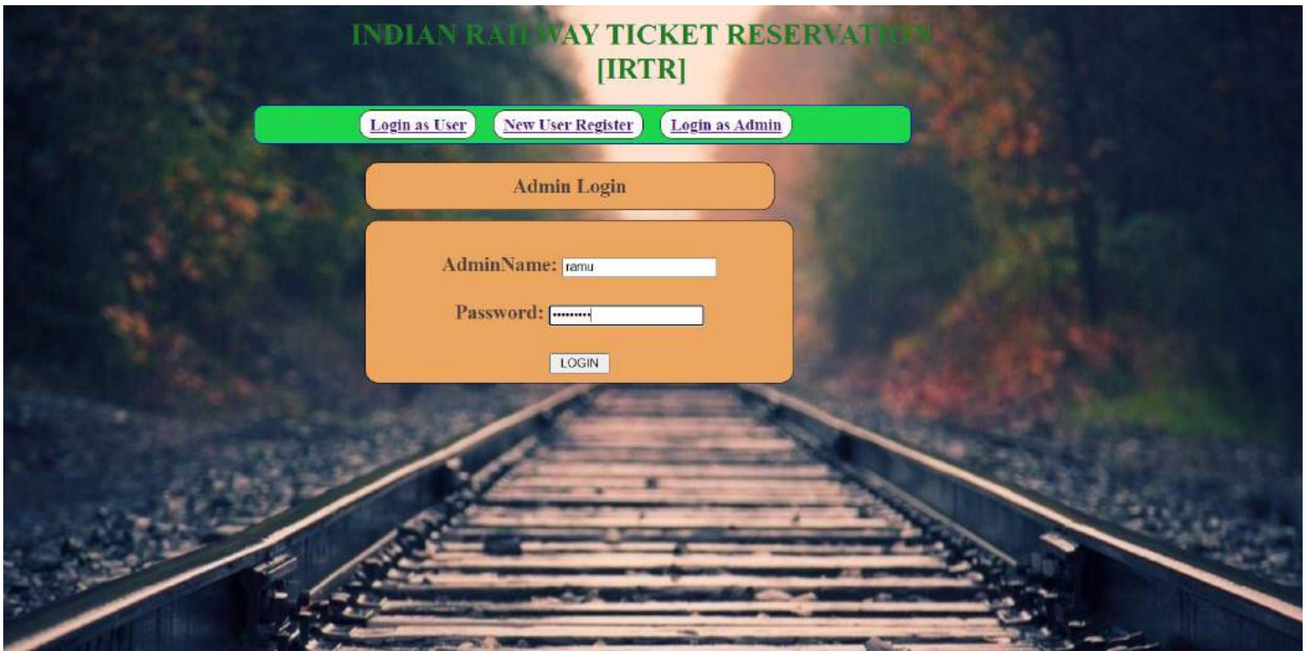
USER INTERFACE DESIGN

USER LOGIN:

NEW USER REGISTRATION:

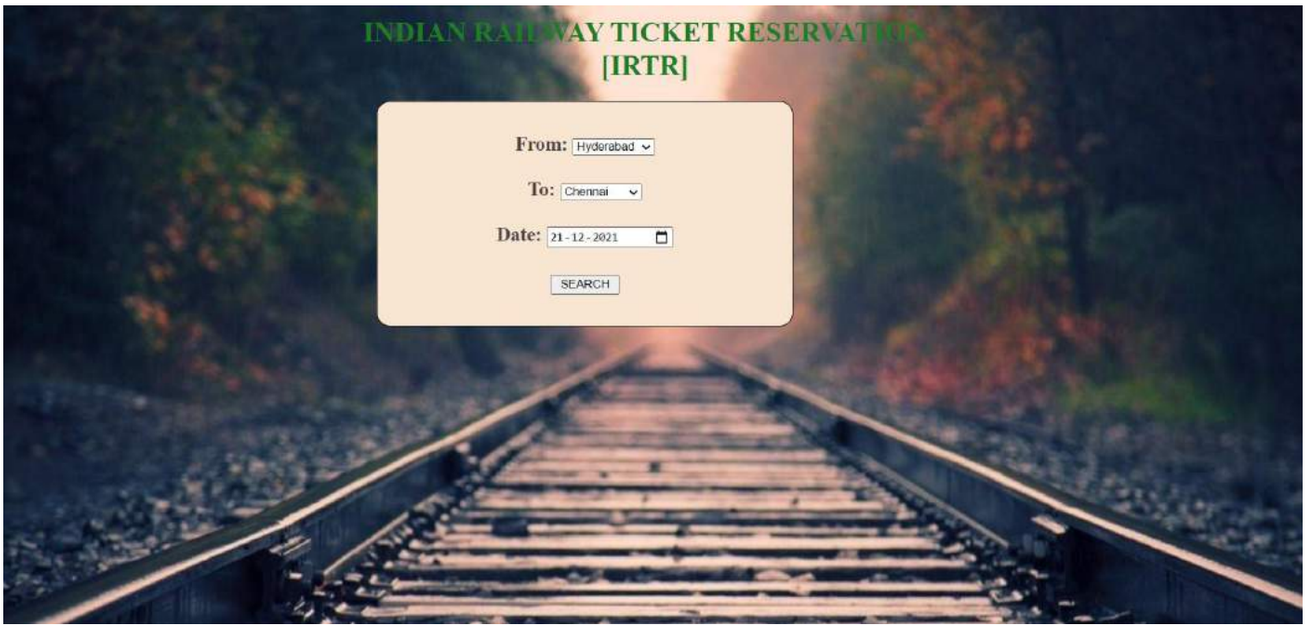


ADMIN LOGIN:



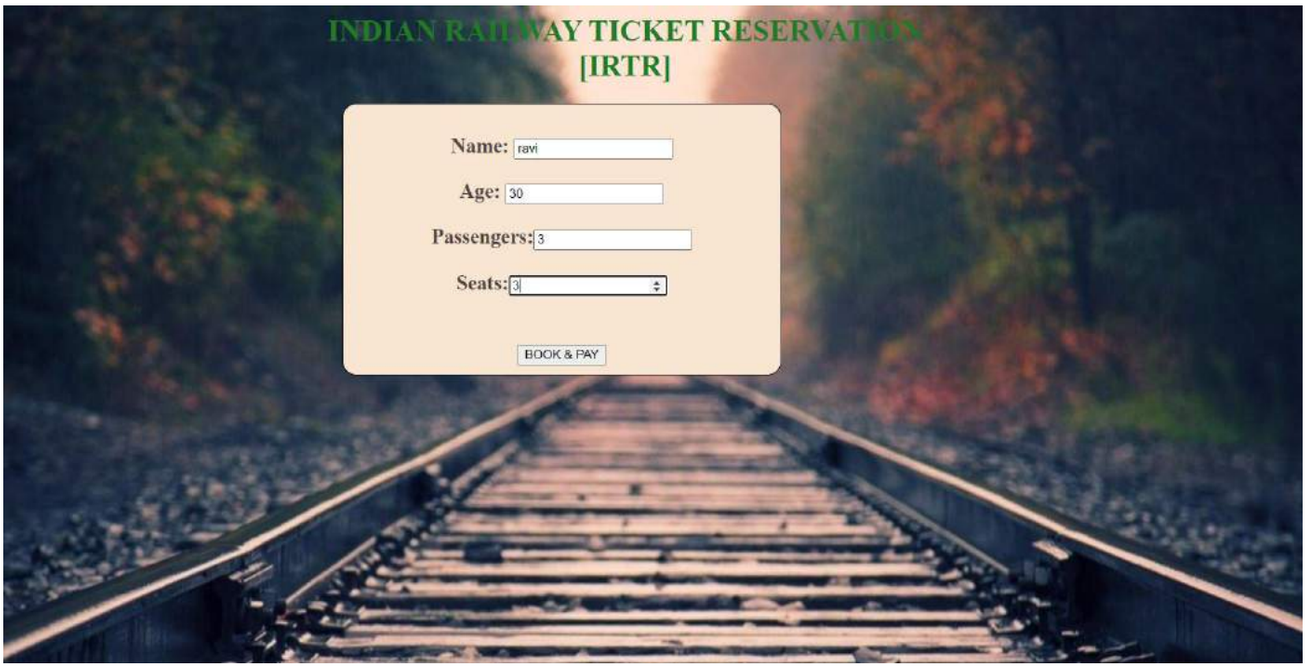
USER HOME:

SEARCH TRAINS:



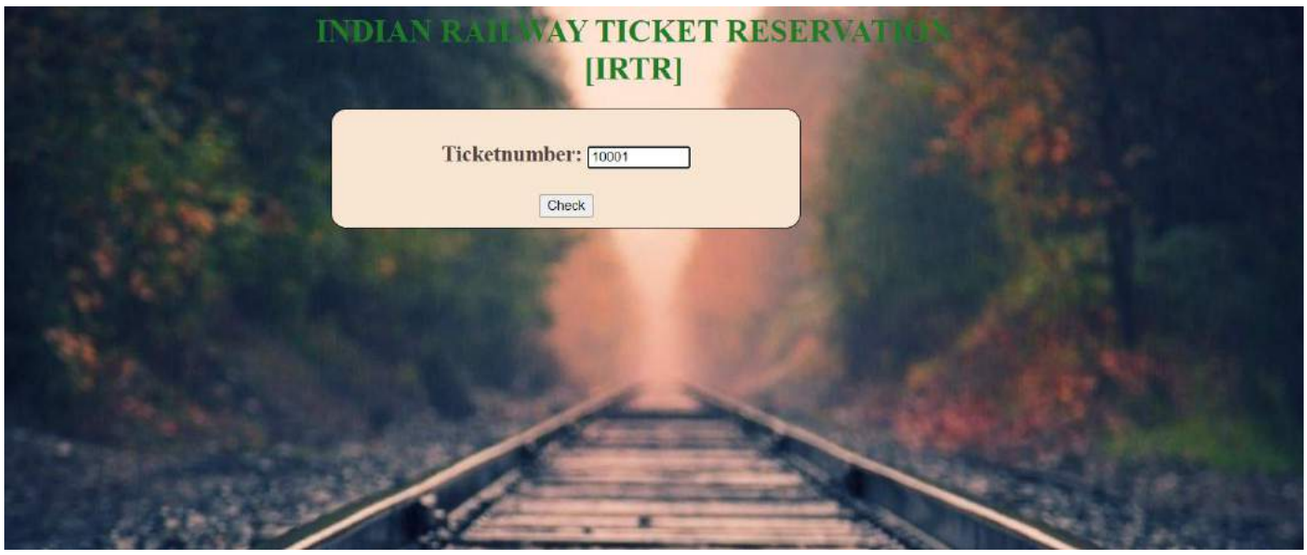
TRAIN DETAILS:

BOOKING TICKET:

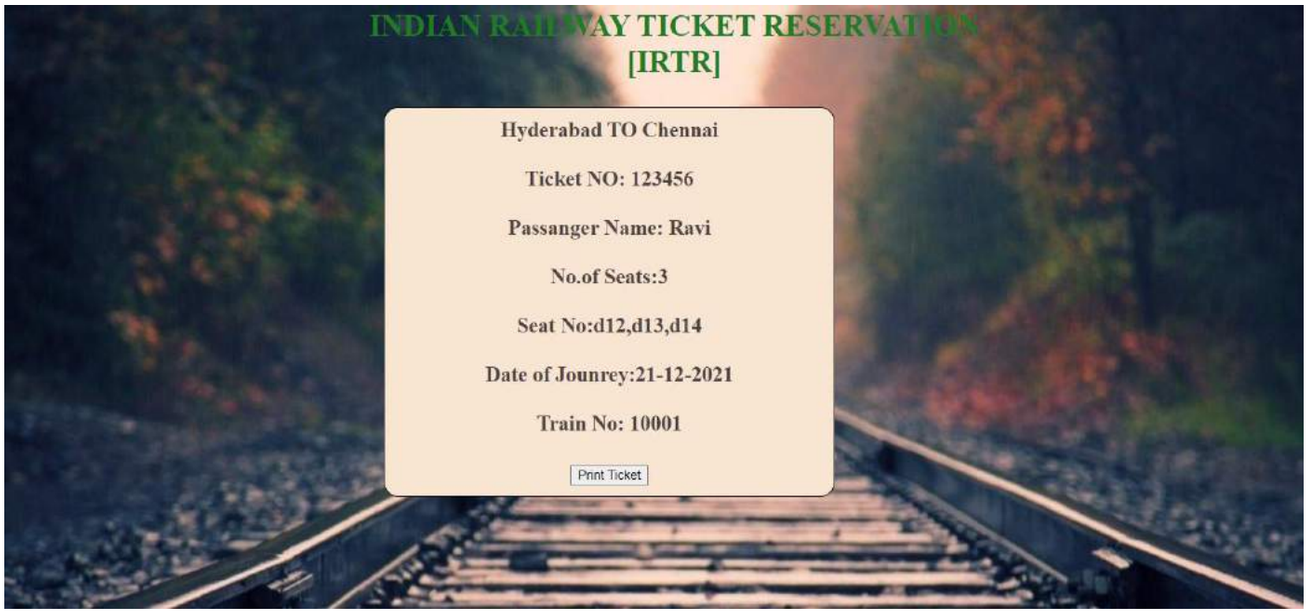


TICKET CONFIRMATION:

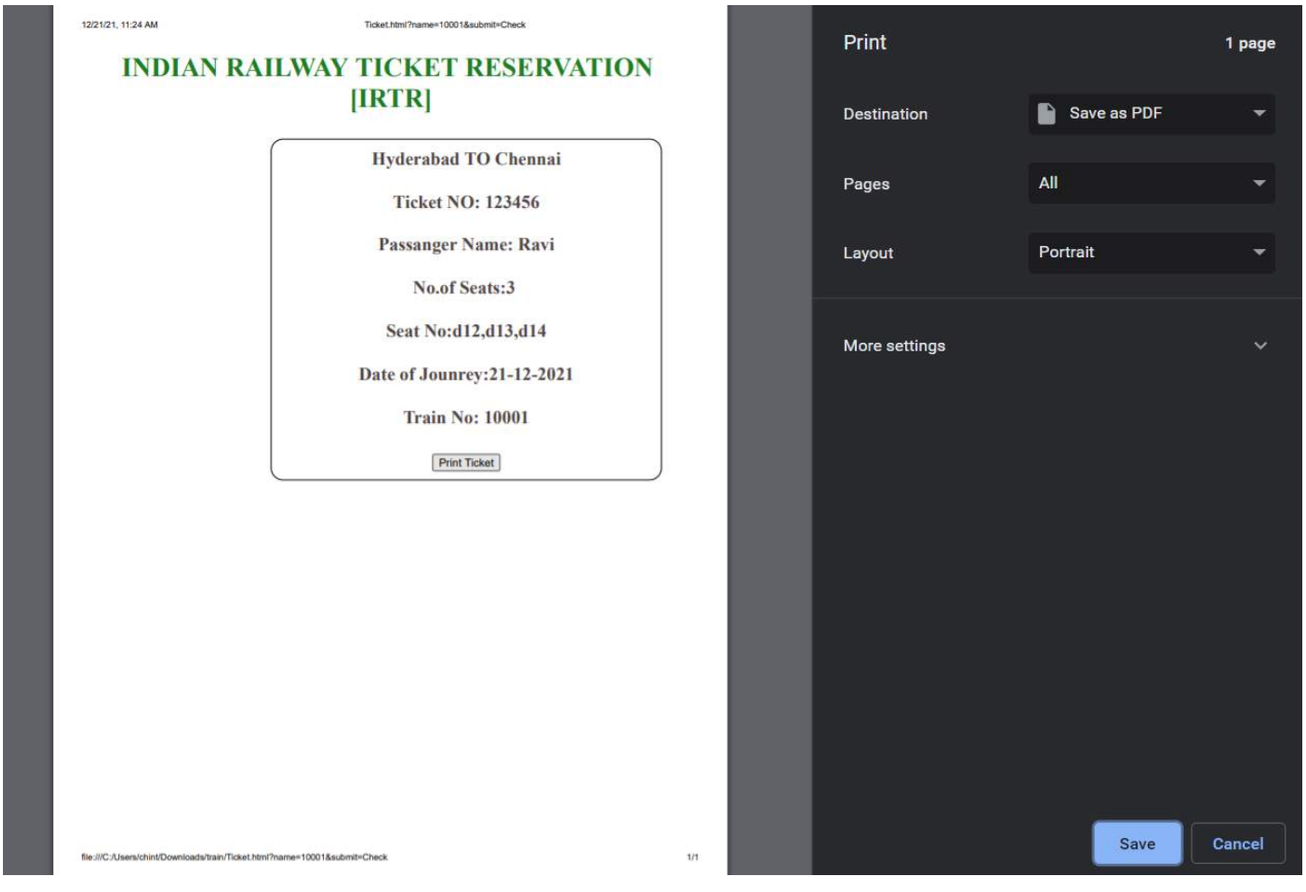
CHECK TICKET:



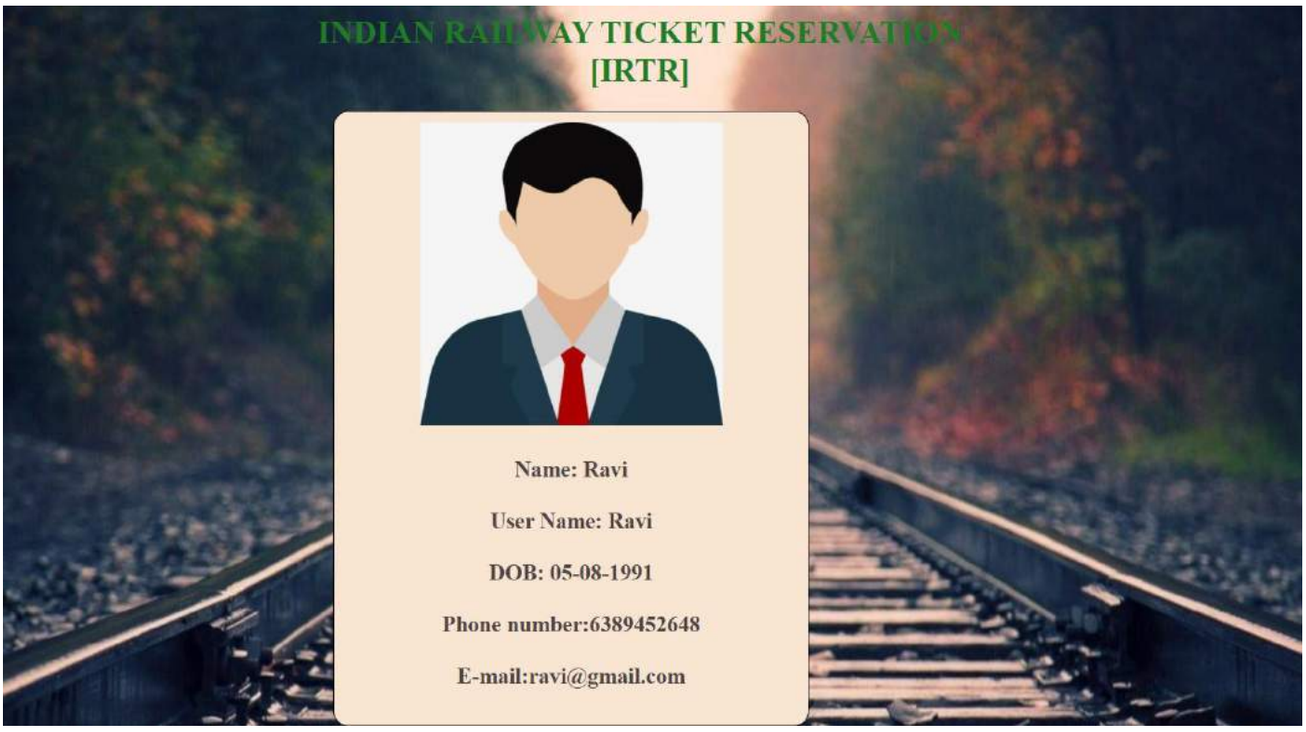
TICKET DETAILS:



PRINT TICKET:

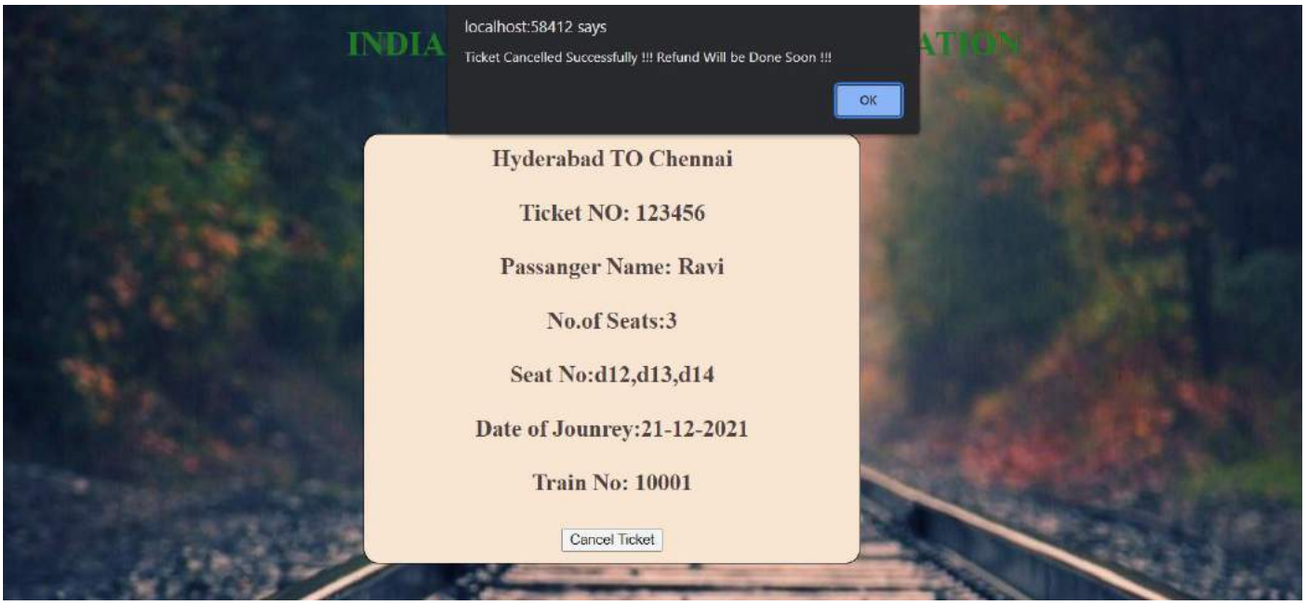


USER PROFILE:



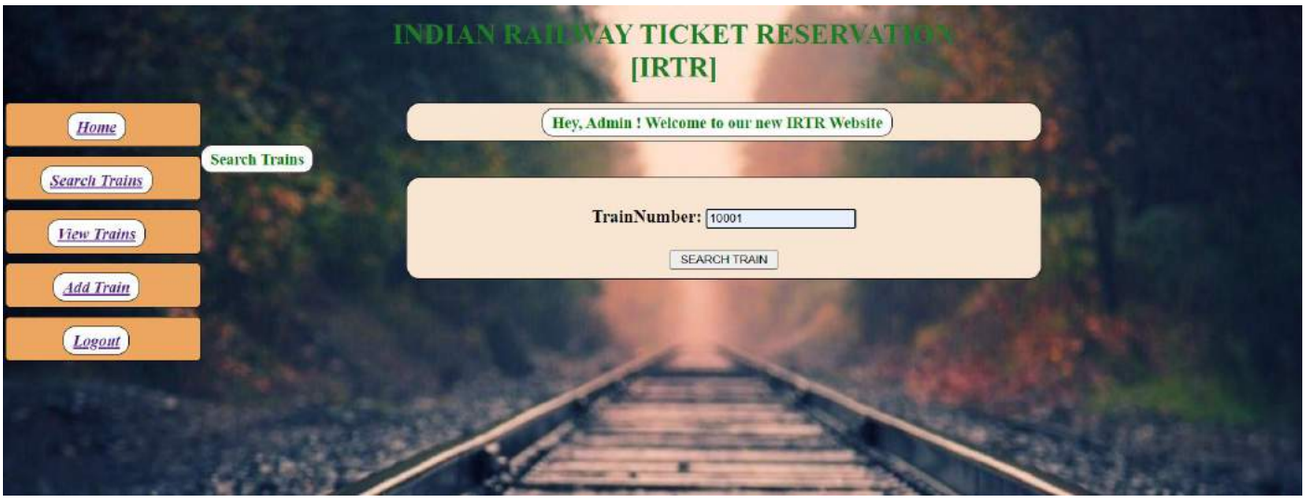
CANCEL TICKET:

CANCEL TICKET:



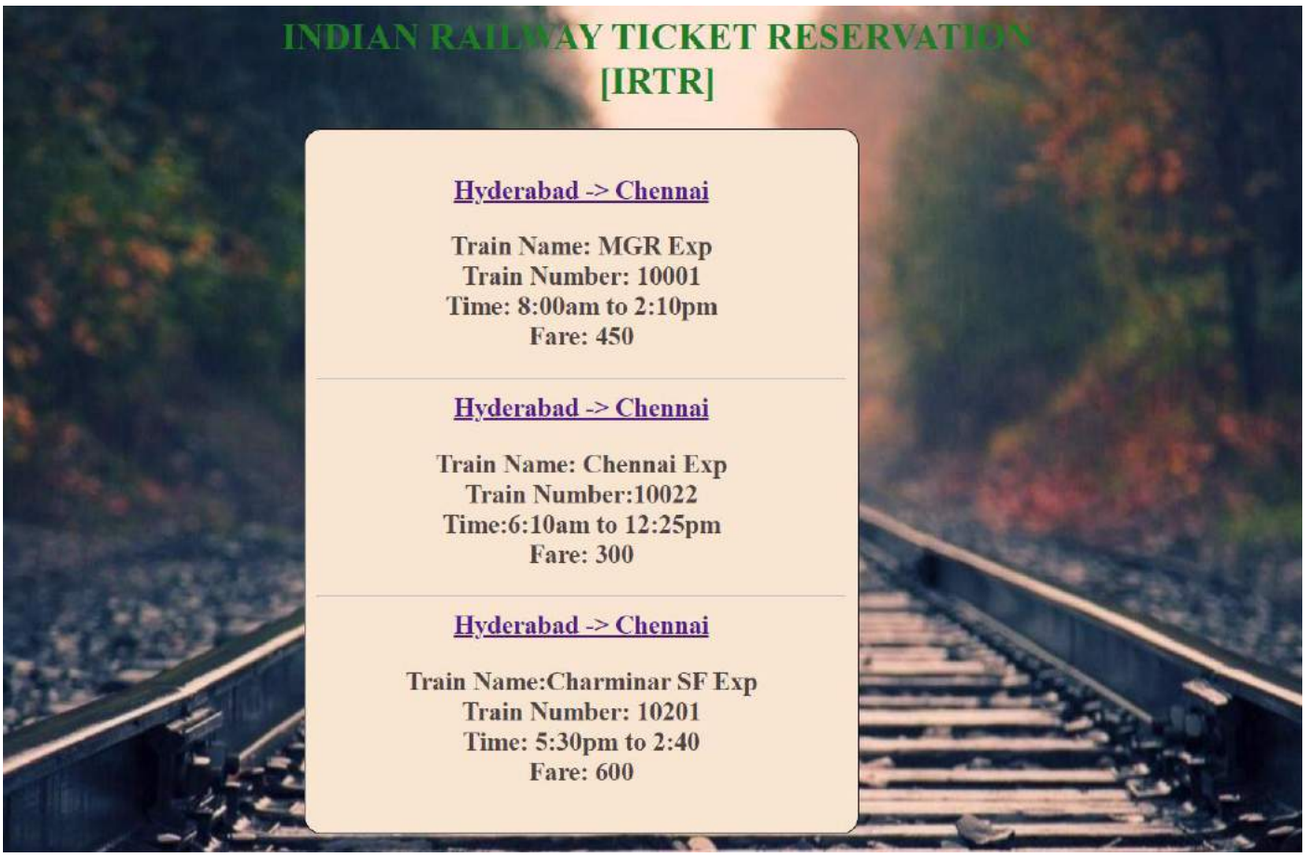
ADMIN HOME:

SEARCH TRAIN:

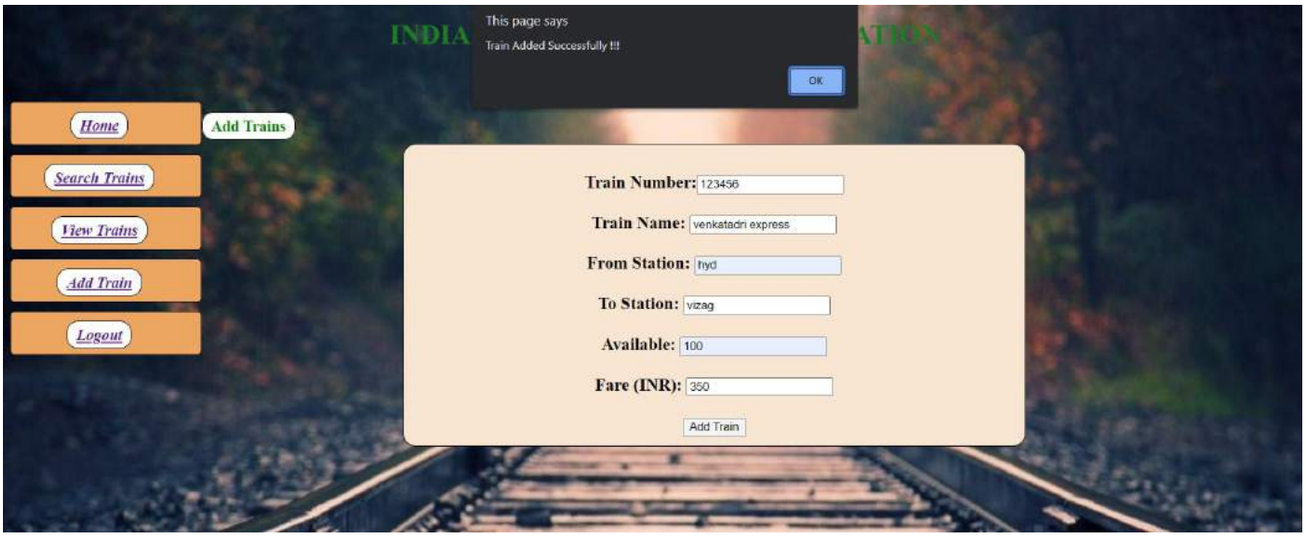


TRAIN DETAILS :

VIEW TRAINS :



ADD TRAIN :



Data Connectivity :

Register Form Connectivity to register Table in DataBase:

Insert.php:

```php
<?php
if (isset($_POST['submit'])) {
    if (isset($_POST['username']) && isset($_POST['password']) &&
        isset($_POST['gender']) && isset($_POST['email']) &&
        isset($_POST['phoneCode']) && isset($_POST['phone'])) {

        $username = $_POST['username'];
        $password = $_POST['password'];
        $gender = $_POST['gender'];
        $email = $_POST['email'];
        $phoneCode = $_POST['phoneCode'];
        $phone = $_POST['phone'];
        $host = "localhost";
        $dbUsername = "root";
        $dbPassword = "";
        $dbName = "test";
        $conn = new mysqli($host, $dbUsername, $dbPassword, $dbName);
        if ($conn->connect_error) {
            die('Could not connect to the database.');
        }
        else {
            $Select = "SELECT email FROM register WHERE email = ? LIMIT 1";
```

```
            $Insert = "INSERT INTO register(username, password, gender, email, phoneCode, phone)
values(?, ?, ?, ?, ?, ?)";
            $stmt = $conn->prepare($Select);
            $stmt->bind_param("s", $email);
            $stmt->execute();
            $stmt->bind_result($resultEmail);
            $stmt->store_result();
            $stmt->fetch();
            $rnum = $stmt->num_rows;
            if ($rnum == 0) {
                $stmt->close();
                $stmt = $conn->prepare($Insert);
                $stmt->bind_param("ssssii",$username, $password, $gender, $email, $phoneCode,
$phone);
                if ($stmt->execute()) {
                    echo "New record inserted sucessfully.";
                }
                else {
                    echo $stmt->error;
                }
            }
            else {
                echo "Someone already registers using this email.";
            }
            $stmt->close();
            $conn->close();
        }
    }
    else {
        echo "All field are required.";
        die();
    }
}
else {
    echo "Submit button is not set";
}
       ?>
```

Booking Form Connectivity to ticket Table in Data Base :

book.php:

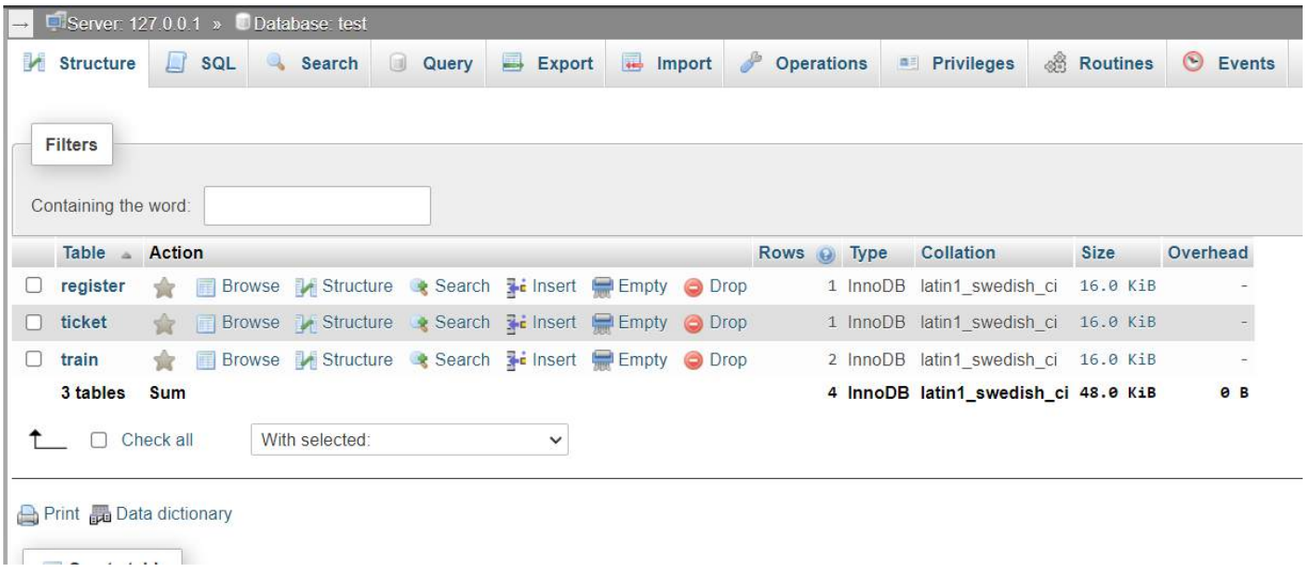
```
<?php
$server = "localhost";
$username = "root";
$password = "";
$dbName = "test";

$conn =  mysqli_connect($server, $username, $password, $dbName);
if (isset($_POST['submit'])) {
    if (!empty($_POST['name']) && !empty($_POST['age']) &&
        !empty($_POST['pno']) && !empty($_POST['sno'])){

        $name = $_POST['name'];
        $age = $_POST['age'];
        $no_pass = $_POST['pno'];
        $no_seats = $_POST['sno'];

        $query="INSERT INTO ticket(name, age, no_pass, no_seats) values(
'$name','$age','$no_pass','$no_seats')";
        $run=mysqli_query($conn,$query) or die(mysqli_error());
        if ($run) {
            echo "Ticket Booked sucessfully.";
        }
        else {
           echo "Ticket Not Booked !.";
        }


    }
    else {
        echo "All field are required.";

    }
}

?>
```

Add Train Connectivity to Train Table in Data Base :

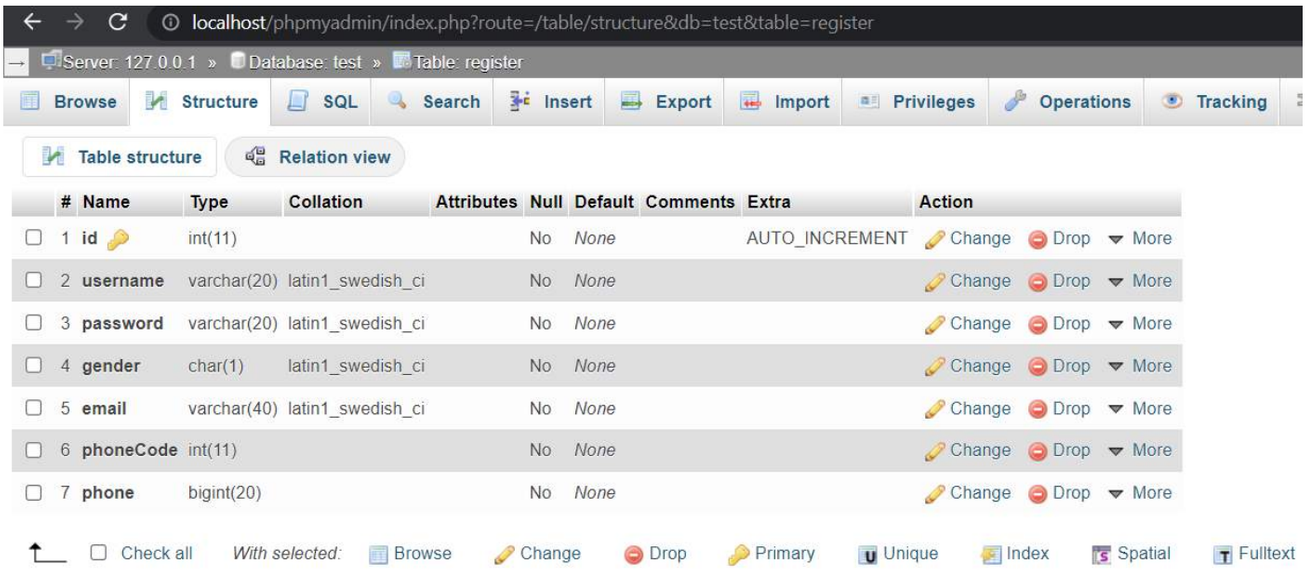
add.php:

```php
<?php
$server = "localhost";
$username = "root";
$password = "";
$dbName = "test";

$conn =  mysqli_connect($server, $username, $password, $dbName);
if (isset($_POST['submit'])) {
    if (!empty($_POST['trainno']) && !empty($_POST['trainname']) &&
        !empty($_POST['fromstation']) && !empty($_POST['tostation']) &&
        !empty($_POST['available']) && !empty($_POST['fare'])) {

        $train_no = $_POST['trainno'];
        $train_name = $_POST['trainname'];
        $from_st = $_POST['fromstation'];
        $to_st = $_POST['tostation'];
        $available = $_POST['available'];
        $fare = $_POST['fare'];
        $query="INSERT INTO train(train_no, train_name, from_st, to_st, available, fare) values(
'$train_no','$train_name','$from_st','$to_st',' $available','$fare')";
        $run=mysqli_query($conn,$query) or die(mysqli_error());
        if ($run) {
            echo "New train added sucessfully.";
        }
        else {
           echo "Train Not Added !.";
        }


    }
    else {
        echo "All field are required.";

    }
}

?>
```

Data Base :



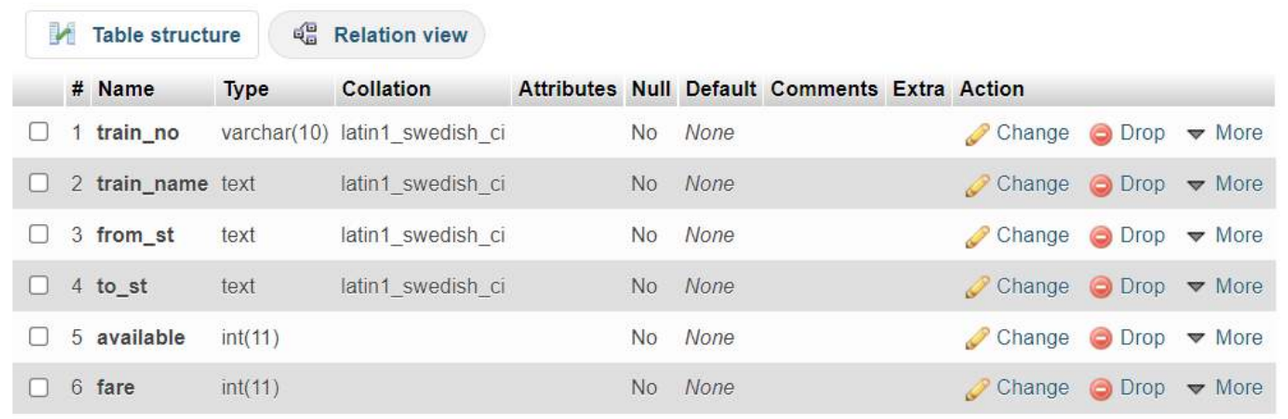
Register Table :



+ Options

	id	username	password	gender	email	phoneCode	phone
Edit Copy Delete	2	Ravi	Ravi	m	ravi@gmail.com	91	1234567891

Train Table:



train_no	train_name	from_st	to_st	available	fare
g222	gdgdgdgd	hyd	fsf	100	350
123456	venkatadri express	hyd	vizag	100	350

Ticket Table :

Thank You !