

CSE 2004-Database Management Systems

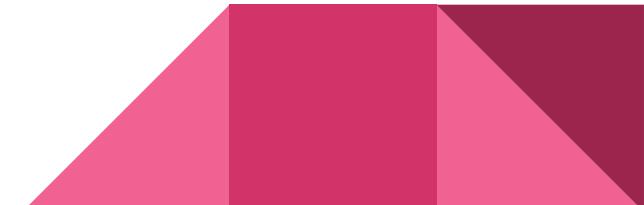
Project Review - 3



Intelligent Railway Database Management System

Team Members

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Problem in the Current System

One of the major problems in Indian Railways ticket reservation system which haunts majorly every Indian is the question whether they would be able to change their seat berth from one coach to another in Indian Railways after the seat is confirmed. It may happen that a family of four people are travelling and one of them gets a seat in a complete other end of the train. In such a scenario one would have to walk to the intended coach, and see if someone who is traveling for the same length of journey. One has to request him/her to exchange seats, and if they are lucky enough to convince them, then the problem is apparently solved. However they need to exchange phone numbers and have each other's PNR numbers handy in case of any problem. Moreover the Train Ticket Examiner (TTE), also needs to be informed about such a change and generally things become quite difficult to explain. In the same time all the reservation charts attached on the coach door, still contains the old information, which could confuse others.

Abstract

The primary idea of this project is to create an intelligent railway database management system which can be utilised for booking tickets and much more.

Rail transport is one of the most important means of transport and has played an important role in the transport industry in India. With rapid economic development, the railway lines and passengers have been increasing year by year in our country. With such a huge customer base, buying train tickets problem has been very prominent.

The introduction of the online railway reservation system facilitates the users to enquire about the trains available. Moreover the passengers as well as the concerned officials can even enquire about the status of the booked ticket and much more.

Our Approach

We propose to design and develop an intelligent database system, where a person who wants to modify their seat number and coach number may send a request, if approved, their information gets changed in the database, which in turn gets reflected in all the systems, including that of the Train Ticket Examiner (TTE) and the digital reservation charts attached on the coach door.

Such a system (web app) uses a typical three-layer structure: the database layer, the application service layer, the user interface layer-

Softwares and Technologies

Frontend - HTML, CSS and

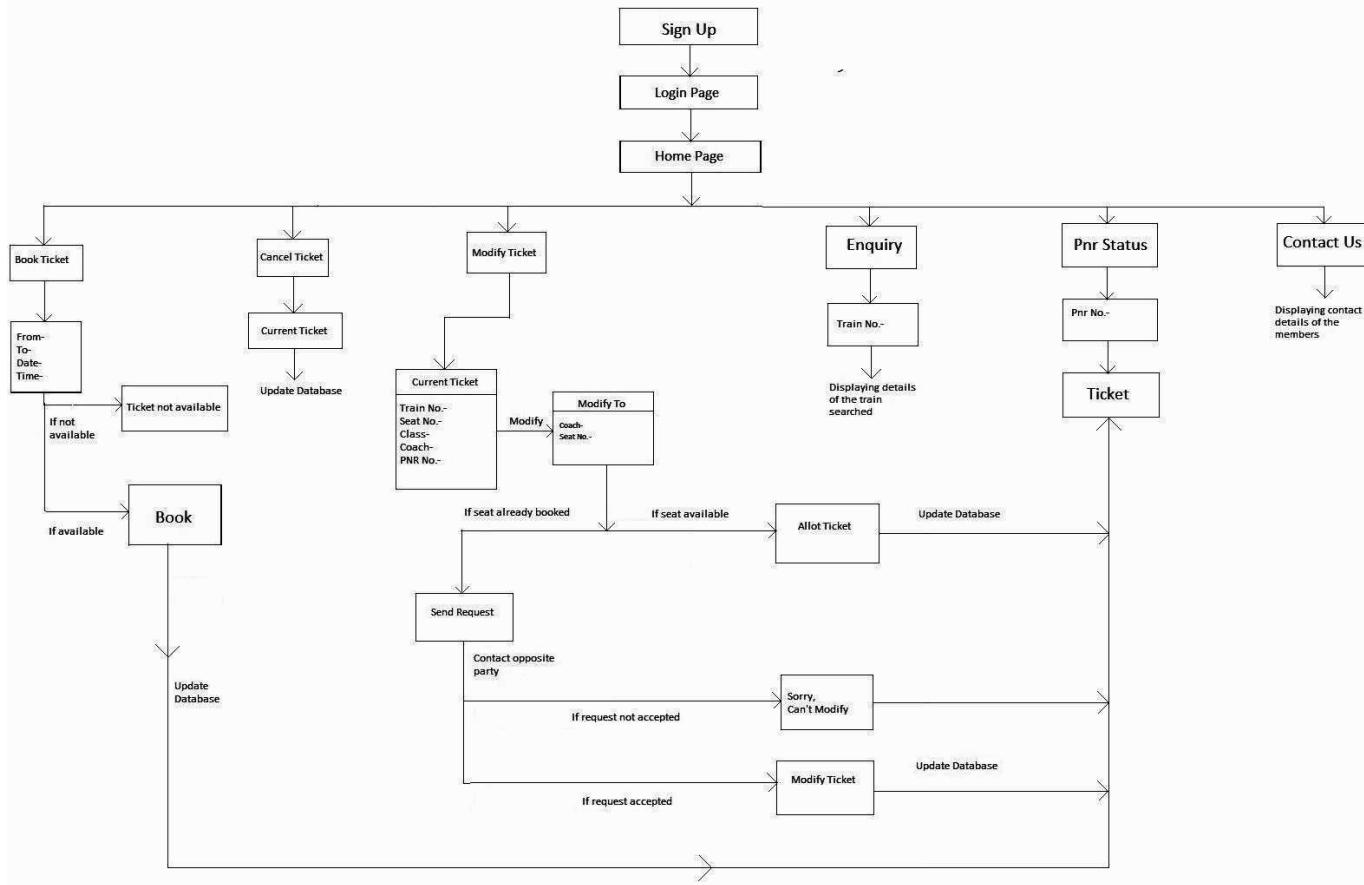
Backend - Node-JS and JavaScript

Database - MySQL

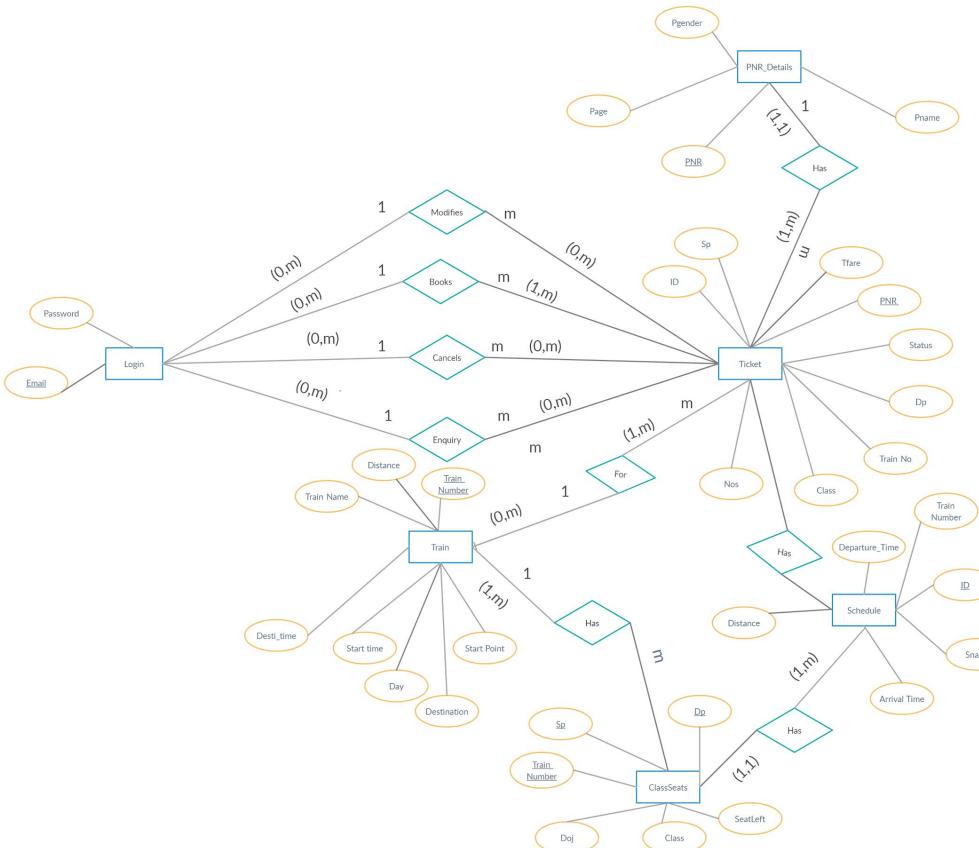
Online Hosting - ngrok



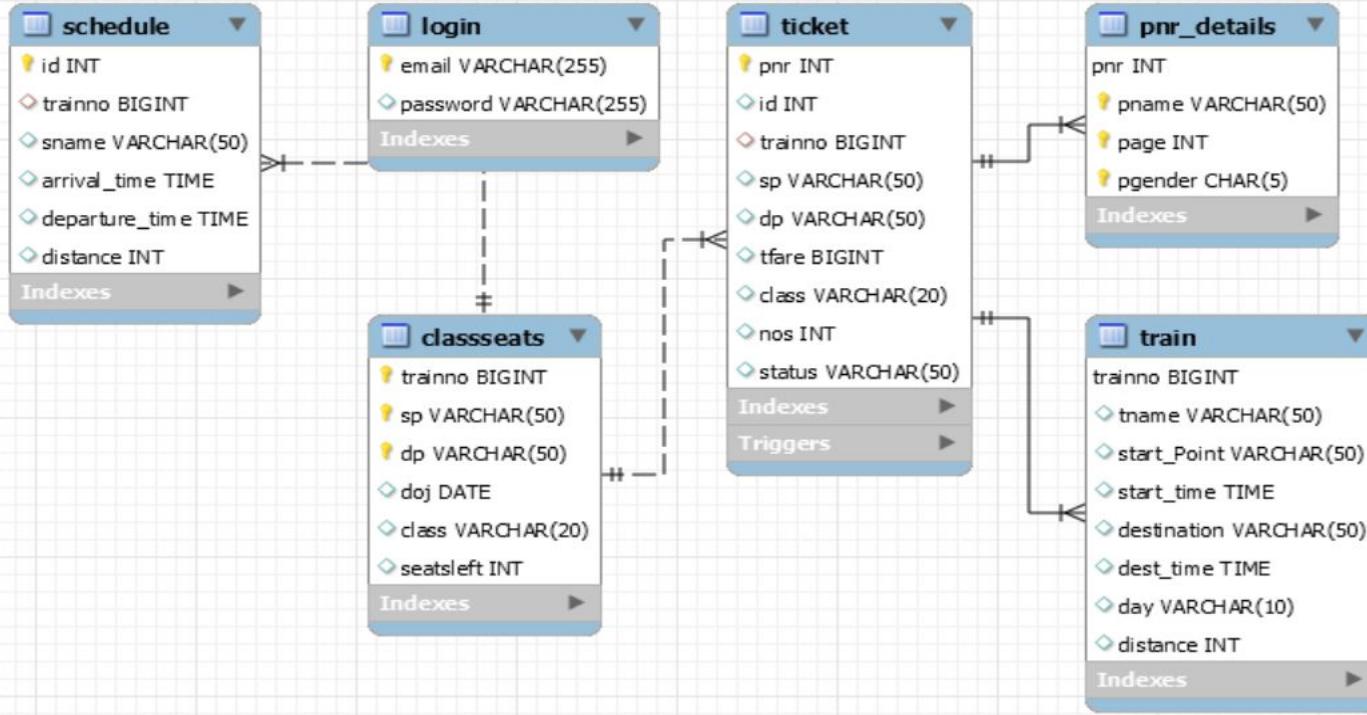
Flowchart



ER Diagram



Relational Schema



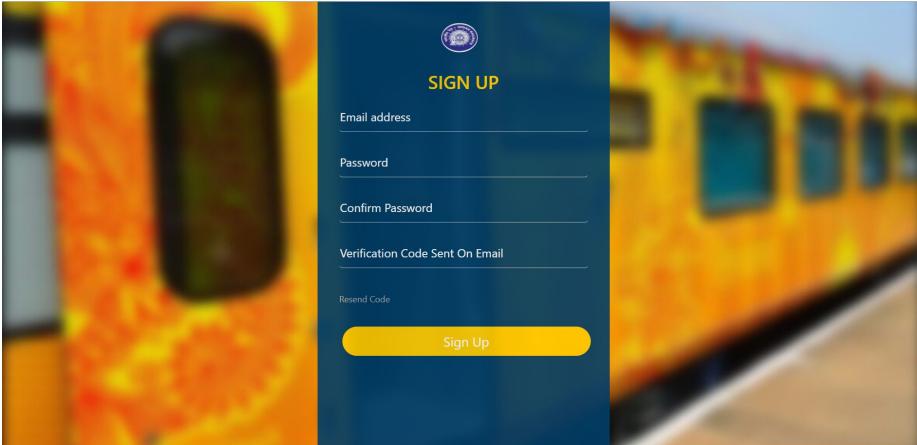
Flow of the Project and Contributions



Sign Up Page

CONTRIBUTED BY :

AKSHAT - 19BCE2670
ABHISHEK - 19BCE2677



SIGN UP

Email address

Password

Confirm Password

Verification Code Sent On Email

Resend Code

Sign Up



SIGN UP

abc@gmail.com

*****Password

Verification Code Sent On Email

Resend Code

Sign Up

Database - Login

```
mysql> create table login(email varchar(255) Primary Key,password varchar(255))engine = innodb default charset =latin1;
Query OK, 0 rows affected (0.06 sec)

mysql> desc login;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+
| email | varchar(255)| NO   | PRI  | NULL    |       |
| password | varchar(255)| YES  |       | NULL    |       |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

```
mysql> select * from login;
+-----+-----+
| email | password |
+-----+-----+
| abhishek@gmail.com | µàÜÝÑ&~«.v[q·Y2DàÐØÝáþg,èptº q?çøsøAó u{J i ðÁ.
| rohit@gmail.com | ²?-jÓ¢/#øc+Iøfb=Æù''IøØº?r2íØ¥APçøsøAó u{J i ðÁ.
| deepak@gmail.com | ïh''B4? ?ùÐðSéºø!B¢Â3?÷9Ã6]f§øi3øâçøsøAó u{J i ðÁ.
| akshat@gmail.com | ?ø?®øò?¢ù?²?®? ?ø±g?; ?tB` fø&?®?øfçøsøAó u{J i ðÁ.
| xyz@gmail.com | 'ø1ø?}âN?GQ-?SMµAxF¹g_íT{X''2øøÉ5çøsøAó u{J i ðÁ.
+-----+
5 rows in set (0.01 sec)
```

Database -Train

```
mysql> create table train(
    -> trainno bigint Primary Key,
    -> tname varchar(50),
    -> start_Point varchar(50),
    -> start_time time,
    -> destination varchar(50),
    -> dest_time time,
    -> day varchar(10),
    -> distance int);
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> desc train;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| trainno | bigint | NO  | PRI | NULL    |       |
| tname   | varchar(50) | YES |     | NULL    |       |
| start_Point | varchar(50) | YES |     | NULL    |       |
| start_time | time    | YES |     | NULL    |       |
| destination | varchar(50) | YES |     | NULL    |       |
| dest_time | time    | YES |     | NULL    |       |
| day     | varchar(10) | YES |     | NULL    |       |
| distance | int     | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)
```

```
mysql>
```

```
+-----+-----+-----+-----+-----+
| trainno | tname           | start_Point | start_time | destination | dest_time | day | distance |
+-----+-----+-----+-----+-----+
| 6      | Ashram Express  | Jaipur      | 10:00:00   | Lucknow    | 21:30:00  | Day 1 | 700  |
| 12     | Shatabdi Express | Chandigarh  | 01:00:12   | Delhi      | 16:30:00  | Day 1 | 600  |
| 13     | Harijan Express | Jammu Kashmir | 22:00:00 | Madhya Pradesh | 13:00:00 | Day2 | 3600 |
| 14     | Jammu Mail Express | Jammu Kashmir | 01:00:12 | Madras    | 22:00:00 | Day 1 | 2500 |
| 15     | Delhi Jaipur Double Decker | Delhi | 16:00:00 | Jaipur    | 22:45:00 | Day 1 | 800  |
| 16     | Jaipur Delhi Double Decker | Jaipur | 03:30:00 | Delhi     | 09:30:00 | Day 1 | 800  |
| 17     | Delhi Chandigarh Shatabdi | Delhi | 00:00:14 | Chandigarh | 20:30:00 | Day 1 | 1200 |
| 18     | Chandigarh Delhi Shatabdi | Chandigarh | 08:05:00 | Delhi     | 14:00:00 | Day 2 | 1200 |
| 19     | Ashram Express  | Lucknow    | 13:30:00  | Jaipur    | 05:15:00 | Day 2 | 700  |
| 20     | Frontier Express | Delhi      | 10:04:00  | Jaipur    | 16:00:00 | Day 1 | 800  |
| 21     | Frontier Express | Jaipur    | 20:00:00  | Delhi     | 10:00:00 | Day 2 | 800  |
| 22     | Rajdhani Express | Delhi     | 16:35:00  | Mumbai    | 09:00:00 | Day 2 | 2300 |
| 23     | Rajdhani Express | Mumbai    | 01:00:00  | Delhi     | 20:30:00 | Day 1 | 2300 |
+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)

mysql> INSERT INTO `train`(`trainno`, `tname`, `start_point`, `start_time`, `destination`, `dest_time`, `day`, `distance`) VALUES
-> (6, 'Ashram Express', 'Jaipur', '10:00:00', 'Lucknow', '21:30:00', 'Day 1', 700),
-> (12, 'Shatabdi Express', 'Chandigarh', '01:00:12', 'Delhi', '16:30:00', 'Day 1', 600),
-> (13, 'Harijan Express', 'Jammu Kashmir', '22:00:00', 'Madhya Pradesh', '13:00:00', 'Day2', 3600),
-> (14, 'Jammu Mail Express', 'Jammu Kashmir', '01:00:12', 'Madras', '22:00:00', 'Day 1', 2500),
-> (15, 'Delhi Jaipur Double Decker', 'Delhi', '16:00:00', 'Jaipur', '22:45:00', 'Day 1', 800),
-> (16, 'Jaipur Delhi Double Decker', 'Jaipur', '03:30:00', 'Delhi', '09:30:00', 'Day 1', 800),
-> (17, 'Delhi Chandigarh Shatabdi', 'Delhi', '00:00:14', 'Chandigarh', '20:30:00', 'Day 1', 1200),
-> (18, 'Chandigarh Delhi Shatabdi', 'Chandigarh', '08:05:00', 'Delhi', '14:00:00', 'Day 2', 1200),
-> (19, 'Ashram Express', 'Lucknow', '13:30:00', 'Jaipur', '05:15:00', 'Day 2', 700),
-> (20, 'Frontier Express', 'Delhi', '10:04:00', 'Jaipur', '16:00:00', 'Day 1', 800),
-> (21, 'Frontier Express', 'Jaipur', '20:00:00', 'Delhi', '10:00:00', 'Day 2', 800),
-> (22, 'Rajdhani Express', 'Delhi', '16:35:00', 'Mumbai', '09:00:00', 'Day 2', 2300),
-> (23, 'Rajdhani Express', 'Mumbai', '01:00:00', 'Delhi', '20:30:00', 'Day 1', 2300);
Query OK, 13 rows affected (0.03 sec)
Records: 13  Duplicates: 0  Warnings: 0

mysql> select * from train;
+-----+-----+-----+-----+-----+
| trainno | tname           | start_Point | start_time | destination | dest_time | day | distance |
+-----+-----+-----+-----+-----+
| 6      | Ashram Express  | Jaipur      | 10:00:00   | Lucknow    | 21:30:00  | Day 1 | 700  |
| 12     | Shatabdi Express | Chandigarh  | 01:00:12   | Delhi      | 16:30:00  | Day 1 | 600  |
| 13     | Harijan Express | Jammu Kashmir | 22:00:00 | Madhya Pradesh | 13:00:00 | Day2 | 3600 |
| 14     | Jammu Mail Express | Jammu Kashmir | 01:00:12 | Madras    | 22:00:00 | Day 1 | 2500 |
| 15     | Delhi Jaipur Double Decker | Delhi | 16:00:00 | Jaipur    | 22:45:00 | Day 1 | 800  |
| 16     | Jaipur Delhi Double Decker | Jaipur | 03:30:00 | Delhi     | 09:30:00 | Day 1 | 800  |
| 17     | Delhi Chandigarh Shatabdi | Delhi | 00:00:14 | Chandigarh | 20:30:00 | Day 1 | 1200 |
| 18     | Chandigarh Delhi Shatabdi | Chandigarh | 08:05:00 | Delhi     | 14:00:00 | Day 2 | 1200 |
| 19     | Ashram Express  | Lucknow    | 13:30:00  | Jaipur    | 05:15:00 | Day 2 | 700  |
| 20     | Frontier Express | Delhi      | 10:04:00  | Jaipur    | 16:00:00 | Day 1 | 800  |
| 21     | Frontier Express | Jaipur    | 20:00:00  | Delhi     | 10:00:00 | Day 2 | 800  |
| 22     | Rajdhani Express | Delhi     | 16:35:00  | Mumbai    | 09:00:00 | Day 2 | 2300 |
| 23     | Rajdhani Express | Mumbai    | 01:00:00  | Delhi     | 20:30:00 | Day 1 | 2300 |
+-----+-----+-----+-----+-----+
13 rows in set (0.00 sec)

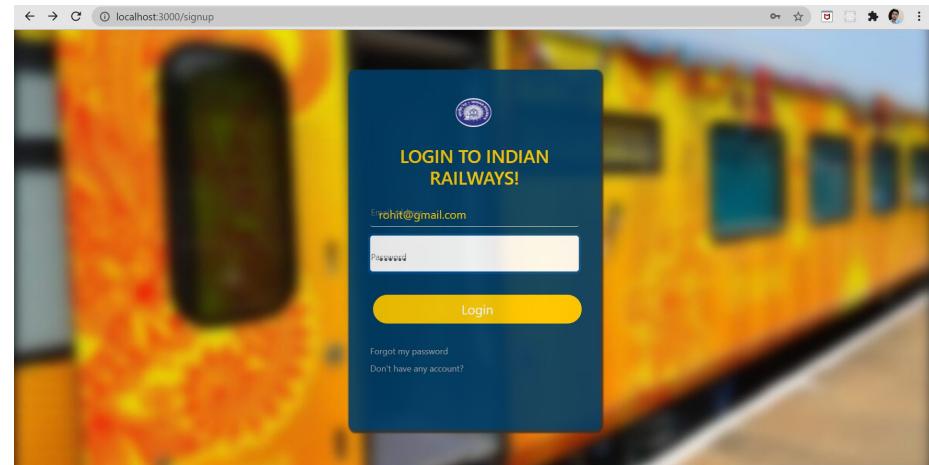
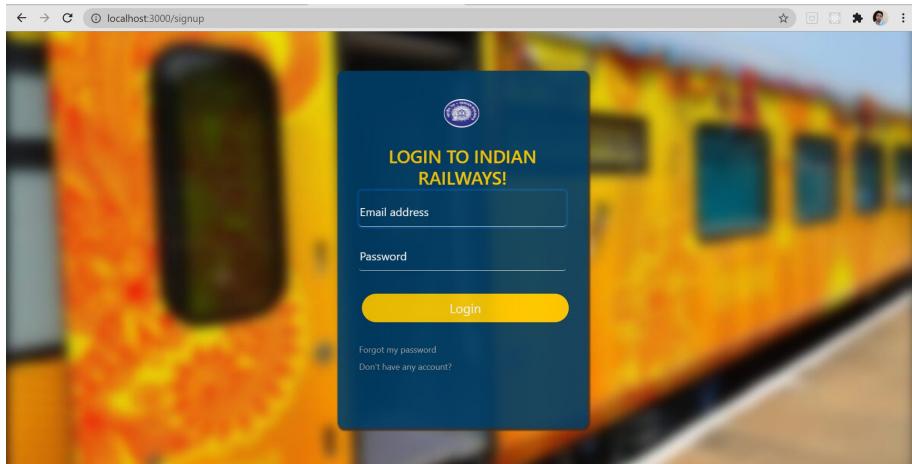
mysql> _
```

Login Page

CONTRIBUTED BY :

DEEPAK - 19BCI0003

ROHIT - 19BCE2673



Home Page

CONTRIBUTED BY :

AKSHAT - 19BCE2670

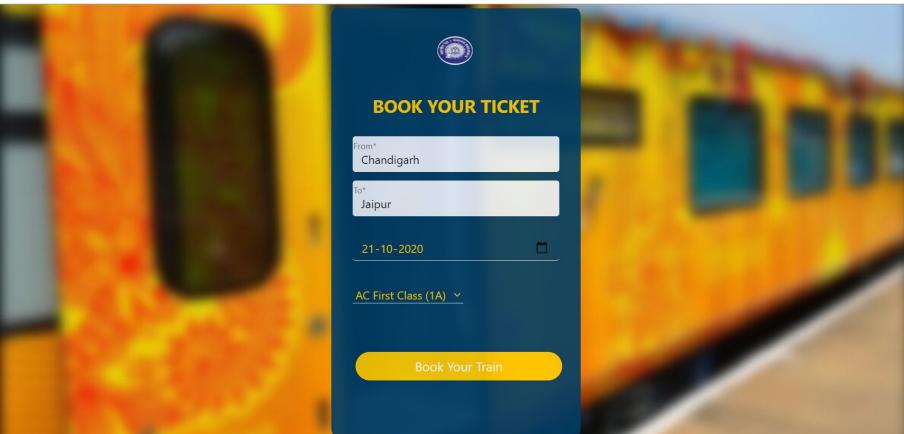
ABHISHEK - 19BCE2677



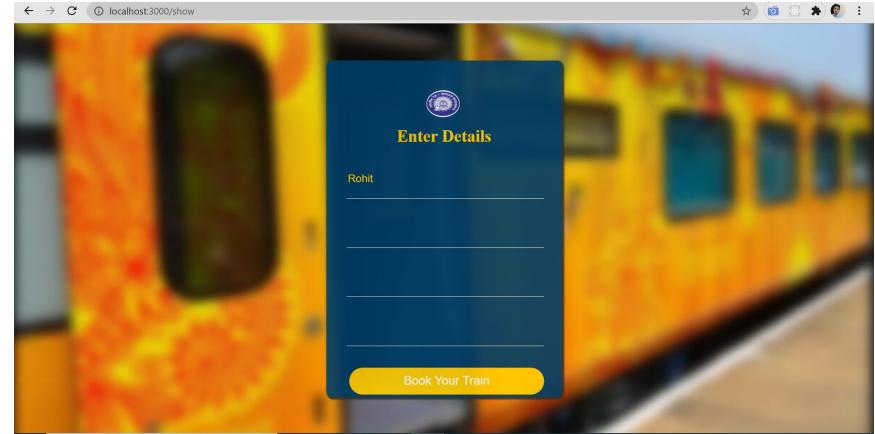
CONTRIBUTED BY :

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Book Ticket Page



Book Ticket				
Train Number	Seats Available	Type	Fare	No Of Seats Required
12	99	AC1	2200	<input type="text"/> Seat <input type="button" value="Book"/>
12	12	AC1	3200	<input type="text"/> Seat <input type="button" value="Book"/>
12	60	AC3	2400	<input type="text"/> Seat <input type="button" value="Book"/>
12	100	EC	1200	<input type="text"/> Seat <input type="button" value="Book"/>
12	200	SL	500	<input type="text"/> Seat <input type="button" value="Book"/>



Database - Ticket

```
mysql> create table ticket(pnr int auto_increment Primary Key,id int,trainno bigint,sp varchar(50),dp varchar(50), tfare bigint,class varchar(20),nos int,status varchar(50),Foreign Key(trainno) references classesseats(trainno))engine=InnoDB Default CHARSET=latin1 AUTO_INCREMENT=61;
Query OK, 0 rows affected (0.44 sec)
```

```
mysql> desc ticket;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key  | Default | Extra          |
+-----+-----+-----+-----+-----+
| pnr  | int    | NO   | PRI  | NULL    | auto_increment |
| id   | int    | YES  |      | NULL    |                |
| trainno | bigint | YES  | MUL  | NULL    |                |
| sp   | varchar(50)| YES |      | NULL    |                |
| dp   | varchar(50)| YES |      | NULL    |                |
| tfare | bigint | YES  |      | NULL    |                |
| class | varchar(20)| YES |      | NULL    |                |
| nos  | int    | YES  |      | NULL    |                |
| status | varchar(50)| YES |      | NULL    |                |
+-----+-----+-----+-----+-----+
9 rows in set (0.02 sec)
```

```
mysql>
```

```
mysql> select * from ticket;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| pnr | id  | trainno | sp   | dp   | tfare | class | nos  | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 51  | NULL | 12    | Chandigarh | Jaipur | 3300 | AC1   | 2    | Confirmed |
| 57  | NULL | 12    | Chandigarh | Jaipur | 2200 | AC1   | 1    | WAITING   |
| 58  | NULL | 20    | Delhi     | Jaipur | 11200 | AC2   | 4    | WAITING   |
| 59  | NULL | 12    | Lucknow   | Delhi   | 2200  | EC    | 2    | Confirmed |
| 61  | NULL | 12    | Chandigarh | Jaipur | 2200 | AC1   | 1    | Confirmed |
| 62  | NULL | 12    | Chandigarh | Jaipur | 2200 | AC1   | 1    | Confirmed |
| 63  | NULL | 12    | Chandigarh | Jaipur | 3200 | AC1   | 1    | Confirmed |
| 64  | NULL | 12    | Chandigarh | Jaipur | 3200 | AC1   | 5    | Confirmed |
| 65  | NULL | 12    | Jaipur    | Kolkata | 1434 | AC1   | 5    | Confirmed |
| 66  | NULL | 20    | Delhi     | Jaipur | 900  | SL    | 12   | Confirmed |
| 67  | NULL | 12    | Chandigarh | Jaipur | 1200 | EC    | 2    | Confirmed |
+-----+-----+-----+-----+-----+-----+-----+-----+
11 rows in set (0.02 sec)
```

```
mysql> -
```

Database - ClassSeats

```
mysql> DELIMITER //
mysql> CREATE TRIGGER `after_insert_on_resv` AFTER INSERT ON `ticket`
-> FOR EACH ROW begin
-> UPDATE classseats SET seatsleft=seatsleft-new.nos where trainno=new.trainno AND class=new.class AND sp=new.sp AND dp=new.dp;
-> end
-> //
Query OK, 0 rows affected (1.70 sec)

mysql> DELIMITER ;
mysql> ■
```

```
mysql> create table classseats(
-> trainno bigint,sp varchar(50),
-> dp varchar(50),
-> doj date,class varchar(20),
-> seatsleft int,
-> Primary Key(trainno,sp,dp))ENGINE =InnoDB Default Charset=latin1;
Query OK, 0 rows affected (1.43 sec)
```

```
mysql> desc classeats;
```

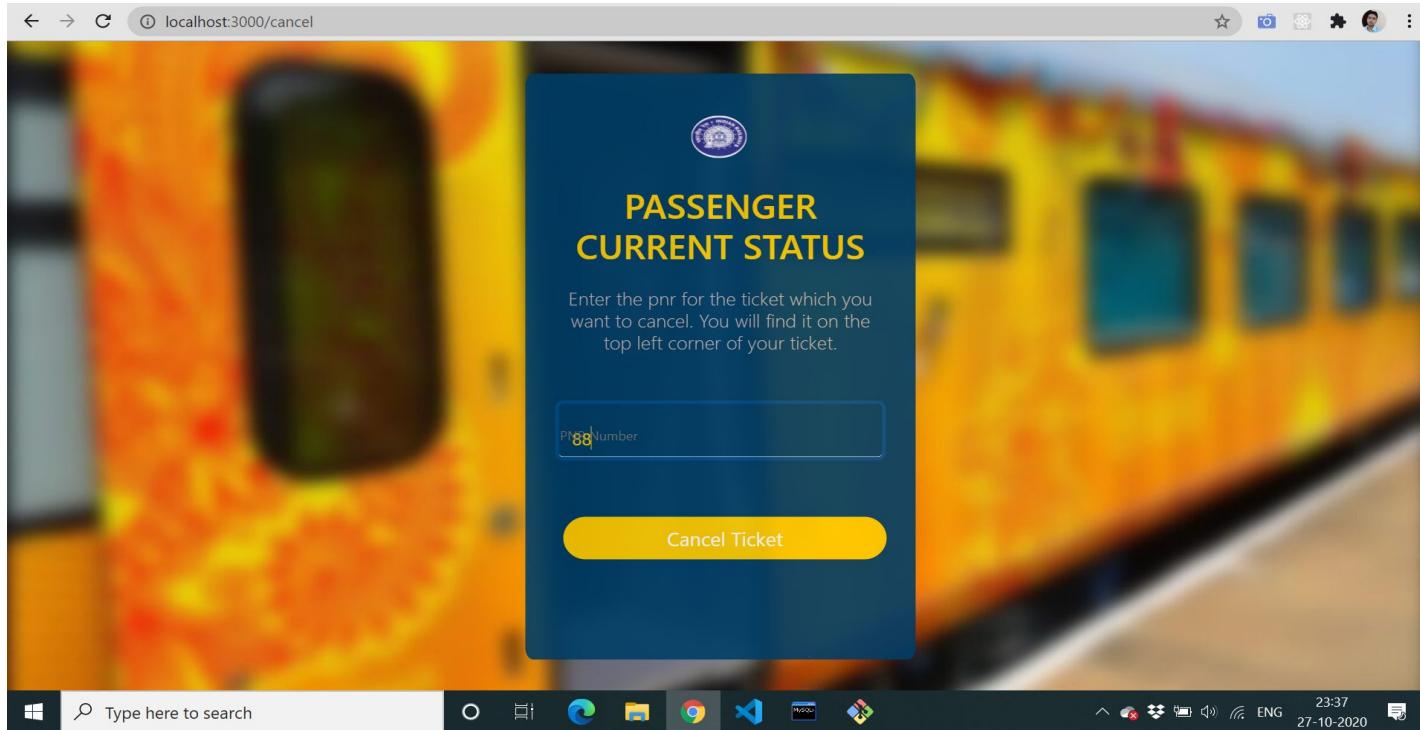
Field	Type	Null	Key	Default	Extra
trainno	bigint	NO	PRI	NULL	
sp	varchar(50)	NO	PRI	NULL	
dp	varchar(50)	NO	PRI	NULL	
doj	date	YES		NULL	
class	varchar(20)	YES		NULL	
seatsleft	int	YES		NULL	

```
6 rows in set (0.65 sec)
```

```
mysql> select * from classeats;
+-----+-----+-----+-----+-----+-----+
| trainno | sp      | dp      | DOJ    | class   | fare    | seatsleft |
+-----+-----+-----+-----+-----+-----+
| 12     | Chandigarh | Jaipur | 2015-05-07 | AC1    | 2200    | 99       |
| 12     | Chandigarh | Jaipur | 2015-05-17 | AC1    | 3200    | 12       |
| 12     | Chandigarh | Jaipur | 2015-05-17 | AC3    | 2400    | 60       |
| 12     | Chandigarh | Jaipur | 2015-05-17 | EC     | 1200    | 98       |
| 12     | Chandigarh | Jaipur | 2015-05-17 | SL     | 500     | 200      |
| 12     | Jaipur    | Kolkata | 2015-05-07 | AC1    | 1434    | 238      |
| 12     | Jaipur    | Kolkata | 2015-05-17 | AC1    | 2900    | 10       |
| 12     | Jaipur    | Kolkata | 2015-05-17 | AC3    | 2100    | 40       |
| 12     | Jaipur    | Kolkata | 2015-05-17 | EC     | 1500    | 120      |
| 12     | Jaipur    | Kolkata | 2015-05-17 | SL     | 800     | 250      |
| 12     | Kolkata   | Lucknow | 2015-05-07 | AC1    | 934     | 322      |
| 12     | Kolkata   | Lucknow | 2015-05-17 | AC1    | 3100    | 30       |
| 12     | Kolkata   | Lucknow | 2015-05-17 | AC3    | 1900    | 30       |
| 12     | Kolkata   | Lucknow | 2015-05-17 | EC     | 1700    | 150      |
| 12     | Kolkata   | Lucknow | 2015-05-17 | SL     | 700     | 220      |
| 12     | Lucknow  | Delhi   | 2015-05-07 | AC1    | 344     | 326      |
| 12     | Lucknow  | Delhi   | 2015-05-17 | AC1    | 2750    | 20       |
| 12     | Lucknow  | Delhi   | 2015-05-17 | AC3    | 2350    | 60       |
| 12     | Lucknow  | Delhi   | 2015-05-17 | EC     | 1100    | 118      |
| 12     | Lucknow  | Delhi   | 2015-05-17 | SL     | 900     | 180      |
| 18     | Chandigarh | Jaipur | 2015-05-12 | AC1    | 2420    | 50       |
| 18     | Chandigarh | Jaipur | 2015-05-12 | AC3    | 1700    | 20       |
| 18     | Chandigarh | Jaipur | 2015-05-12 | CC     | 750     | 120      |
| 18     | Jaipur    | Delhi   | 2015-05-12 | AC1    | 2750    | 20       |
| 18     | Jaipur    | Delhi   | 2015-05-12 | AC3    | 1200    | 20       |
| 18     | Jaipur    | Delhi   | 2015-05-12 | CC     | 900     | 150      |
| 20     | Delhi     | Jaipur | 2015-05-09 | AC1    | 4500    | 20       |
| 20     | Delhi     | Jaipur | 2015-05-09 | AC2    | 3200    | 50       |
| 20     | Delhi     | Jaipur | 2015-05-09 | AC3    | 2700    | 50       |
| 20     | Delhi     | Jaipur | 2015-05-09 | SL     | 900     | 288      |
+-----+-----+-----+-----+-----+-----+
30 rows in set (0.02 sec)
```

```
mysql> -
```

Cancel Ticket Page



Database - Ticket

```
mysql> select * from ticket;
+----+----+-----+---+-----+----+----+----+----+
| pnr | id | trainno | sp | dp | tfare | class | nos | status |
+----+----+-----+---+-----+----+----+----+----+
| 51 | NULL | 12 | Chandigarh | Jaipur | 3300 | AC1 | 2 | Confirmed |
| 57 | NULL | 12 | Chandigarh | Jaipur | 2200 | AC1 | 1 | WAITING |
| 58 | NULL | 20 | Delhi | Jaipur | 11200 | AC2 | 4 | WAITING |
| 59 | NULL | 12 | Lucknow | Delhi | 2200 | EC | 2 | Confirmed |
| 62 | NULL | 18 | Chandigarh | Jaipur | 750 | CC | 5 | Cancelled |
| 63 | NULL | 18 | Chandigarh | Jaipur | 750 | CC | 5 | Cancelled |
| 64 | NULL | 18 | Chandigarh | Jaipur | 1700 | AC3 | 2 | Cancelled |
| 65 | NULL | 18 | Chandigarh | Jaipur | 1700 | AC3 | 2 | Confirmed |
| 66 | NULL | 18 | Chandigarh | Jaipur | 1700 | AC3 | 2 | Cancelled |
| 67 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 2 | Confirmed |
| 68 | NULL | 18 | Chandigarh | Jaipur | 1700 | AC3 | 2 | Confirmed |
| 69 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 5 | Confirmed |
| 70 | NULL | 12 | Chandigarh | Jaipur | 2400 | AC3 | 2 | Confirmed |
| 71 | NULL | 12 | Chandigarh | Jaipur | 2400 | AC3 | 2 | Confirmed |
| 72 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 2 | Confirmed |
| 73 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 3 | Confirmed |
| 74 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 3 | Confirmed |
| 75 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 2 | Confirmed |
| 76 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 2 | Confirmed |
| 77 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 2 | Confirmed |
| 78 | NULL | 18 | Chandigarh | Jaipur | 2420 | AC1 | 2 | Confirmed |
| 79 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 2 | Cancelled |
| 80 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 2 | Confirmed |
| 81 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 2 | Confirmed |
| 82 | NULL | 12 | Chandigarh | Jaipur | 3200 | AC1 | 3 | Confirmed |
| 83 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 2 | Confirmed |
| 84 | NULL | 12 | Chandigarh | Jaipur | 500 | SL | 1 | Confirmed |
| 85 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 2 | Cancelled |
| 86 | NULL | 12 | Chandigarh | Jaipur | 3200 | AC1 | 1 | Confirmed |
| 87 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 3 | Confirmed |
| 88 | NULL | 12 | Chandigarh | Jaipur | 1200 | EC | 4 | Cancelled |
+----+----+-----+---+-----+----+----+----+----+
31 rows in set (0.00 sec)

mysql>
```



UPDATED TICKET TABLE

CONTRIBUTED BY :

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ROHIT - 19BCE2673

AKSHAT - 19BCE2670

ABHISHEK - 19BCE2677

Recent Booked Tickets			
Train No	Name	Class	Seat No
12	Rohit	EC	55
12	Deepak	EC	56
12	Akshat	EC	57
12	Abhishek	EC	58

Modify To

localhost:3000/update

Pnr	Train no	Current Seat	Modify To
85	12	49	<input type="button" value="Update"/>

Database - Modify_details

```
mysql> desc modify_details;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pnr   | int    | YES  |     | NULL   |       |
| trainno | bigint | YES  |     | NULL   |       |
| email  | varchar(50) | YES |     | NULL   |       |
| class  | varchar(10) | YES |     | NULL   |       |
| curr_seat_no | int    | YES  |     | NULL   |       |
| applied_seat_no | int    | YES  |     | NULL   |       |
| status  | varchar(25) | YES |     | NULL   |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> select * from modify_details;
+-----+-----+-----+-----+-----+-----+-----+
| pnr | trainno | email      | class | curr_seat_no | applied_seat_no | status |
+-----+-----+-----+-----+-----+-----+-----+
| 80  | 12      | deepak@gmail.com | SL   | 38          | 5            | Rejected |
| 80  | 12      | deepak@gmail.com | SL   | 39          | 45           | Rejected |
| 85  | 12      | deepak@gmail.com | EC   | 49          | 55           | Pending   |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from modify_details;
+-----+-----+-----+-----+-----+-----+-----+
| pnr | trainno | email      | class | curr_seat_no | applied_seat_no | status |
+-----+-----+-----+-----+-----+-----+-----+
| 80  | 12      | deepak@gmail.com | SL   | 38          | 5            | Rejected |
| 80  | 12      | deepak@gmail.com | SL   | 39          | 45           | Rejected |
| 85  | 12      | deepak@gmail.com | EC   | 49          | 55           | Approved  |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

```
mysql> select * from pnr_details;
```

pnr	trainno	email	name	class	seat_no
85	12	deepak@gmail.com	Deepak	EC	55
85	12	deepak@gmail.com	Abhishek	EC	50
86	12	akshat@gmail.com	A	AC1	51
87	12	akshat@gmail.com	Sonu	EC	49
87	12	akshat@gmail.com	Rohit	EC	49
87	12	akshat@gmail.com	Amit	EC	49
88	12	abhishek@gmail.com	Rohit	EC	49
88	12	abhishek@gmail.com	Deepak	EC	49
88	12	abhishek@gmail.com	Akshat	EC	49
88	12	abhishek@gmail.com	Abhishek	EC	49

```
10 rows in set (0.00 sec)
```

```
mysql>
```



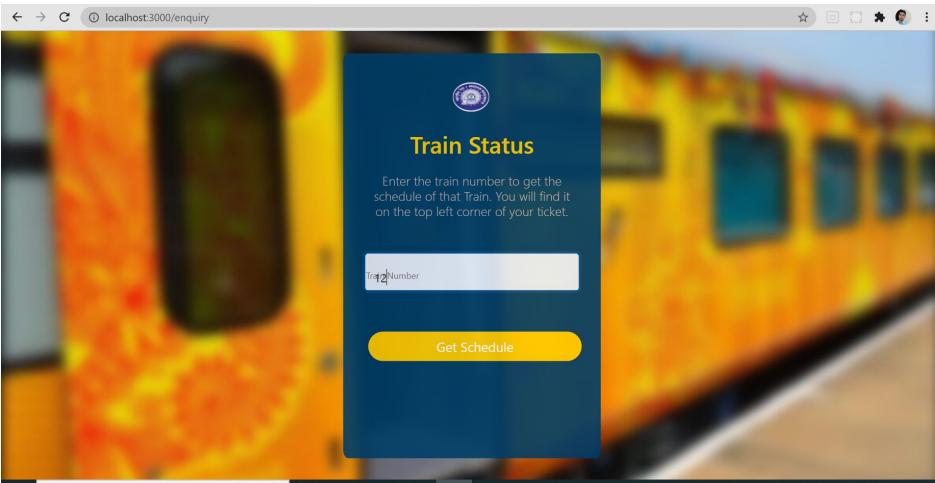
MODIFIED PNR_DETAILS TABLE

Enquiry Page

CONTRIBUTED BY :

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ABHISHEK - 19BCE2677



A screenshot of a web browser window showing the 'Train Details' page. The page features a table with columns for Train No, Station Name, Arrival Time, and Departure Time. The data is as follows:

Train No	Station Name	Arrival Time	Departure Time
12	Chandigarh	01:00:12	01:00:00
12	Jaipur	03:45:15	03:50:00
12	Kolkata	05:00:00	05:15:00
12	Lucknow	11:50:10	12:00:00
12	Delhi	16:30:00	16:30:00

[Go Back To Home](#)

Database - Schedule

```
mysql> select * from schedule;
+----+-----+-----+-----+-----+
| id | trainno | sname | arrival_time | departure_time | distance |
+----+-----+-----+-----+-----+
| 1  |    12   | Chandigarh | 01:00:12 | 01:00:00 |      0 |
| 2  |    12   | Jaipur     | 03:45:15 | 03:50:00 |    100 |
| 3  |    12   | Kolkata    | 05:00:00 | 05:15:00 |    300 |
| 4  |    12   | Lucknow    | 11:50:10 | 12:00:00 |    450 |
| 5  |    12   | Delhi      | 16:30:00 | 16:30:00 |    600 |
| 6  |    13   | Jammu Kashmir | 22:00:00 | 22:00:00 |      0 |
| 7  |    13   | Delhi      | 04:00:00 | 04:05:00 |    700 |
| 8  |    13   | Rajasthan  | 07:30:50 | 07:33:00 |    900 |
| 9  |    13   | Allahabad  | 09:00:00 | 09:10:00 |   1700 |
| 10 |    13  | Patna      | 11:45:00 | 11:47:00 |   2500 |
| 11 |    13  | Madhya Pradesh | 13:00:00 | 13:00:00 |   3600 |
| 12 |    14  | Jammu Kashmir | 01:00:12 | 01:00:12 |      0 |
| 13 |    14  | Madras     | 22:00:00 | 22:00:00 |   2500 |
| 14 |    15  | Delhi      | 16:00:00 | 16:00:00 |      0 |
| 15 |    15  | Jaipur     | 22:45:00 | 22:45:00 |    800 |
| 16 |    16  | Jaipur     | 03:30:00 | 03:30:00 |      0 |
| 17 |    16  | Delhi      | 09:30:00 | 09:30:00 |    800 |
| 18 |    17  | Delhi      | 00:00:14 | 00:00:14 |      0 |
| 19 |    17  | Jaipur     | 16:00:00 | 16:10:00 |    500 |
| 20 |    17  | Chandigarh | 20:30:00 | 20:30:00 | 12000 |
| 21 |    18  | Chandigarh | 08:05:00 | 08:05:00 |      0 |
| 22 |    18  | Jaipur     | 10:15:00 | 10:20:00 |    700 |
| 23 |    18  | Delhi      | 14:00:00 | 14:00:00 | 12000 |
| 24 |    6   | Jaipur     | 03:30:00 | 03:30:00 |      0 |
| 25 |    6   | Allahabad  | 08:00:00 | 08:15:00 |    200 |
| 26 |    6   | Lucknow    | 15:15:00 | 15:15:00 |    700 |
| 27 |    19  | Lucknow    | 13:30:00 | 13:30:00 |      0 |
| 28 |    19  | Allahabad  | 20:00:00 | 20:10:00 |    300 |
| 29 |    19  | Jaipur     | 05:15:00 | 05:15:00 |    700 |
| 30 |    20  | Delhi      | 10:04:00 | 10:04:00 |      0 |
| 31 |    20  | Jaipur     | 16:00:00 | 16:00:00 |    800 |
| 32 |    21  | Jaipur     | 20:00:00 | 20:00:00 |      0 |
| 33 |    21  | Delhi      | 10:00:00 | 10:00:00 |    800 |
| 34 |    22  | Delhi      | 16:35:00 | 16:35:00 |      0 |
| 35 |    22  | Rajasthan  | 20:00:00 | 20:10:00 |   1100 |
| 36 |    22  | Madhya Pradesh | 03:30:00 | 03:33:00 |   1500 |
| 37 |    22  | Mumbai     | 09:00:00 | 09:00:00 |   2300 |
| 38 |    23  | Mumbai     | 01:00:00 | 01:00:00 |      0 |
| 39 |    23  | Madhya Pradesh | 05:30:00 | 05:40:00 |   1500 |
| 40 |    23  | Rajasthan  | 15:45:00 | 15:50:00 |   2000 |
| 41 |    23  | Delhi      | 20:30:00 | 20:30:00 |   2300 |
+----+-----+-----+-----+-----+
41 rows in set (0.02 sec)
```

```
mysql> create table schedule(
    -> id int primary key auto_increment,
    -> trainno bigint not null,
    -> sname varchar(50),
    -> arrival_time time,
    -> departure_time time,
    -> distance int,
    -> Foreign Key(trainno) references classeats(trainno))
    -> engine=InnoDB Default charset=latin1 auto_increment=42;
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> desc schedule;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
trainno	bigint	NO	MUL	NULL	
sname	varchar(50)	YES		NULL	
arrival_time	time	YES		NULL	
departure_time	time	YES		NULL	
distance	int	YES		NULL	

```
6 rows in set (0.02 sec)
```

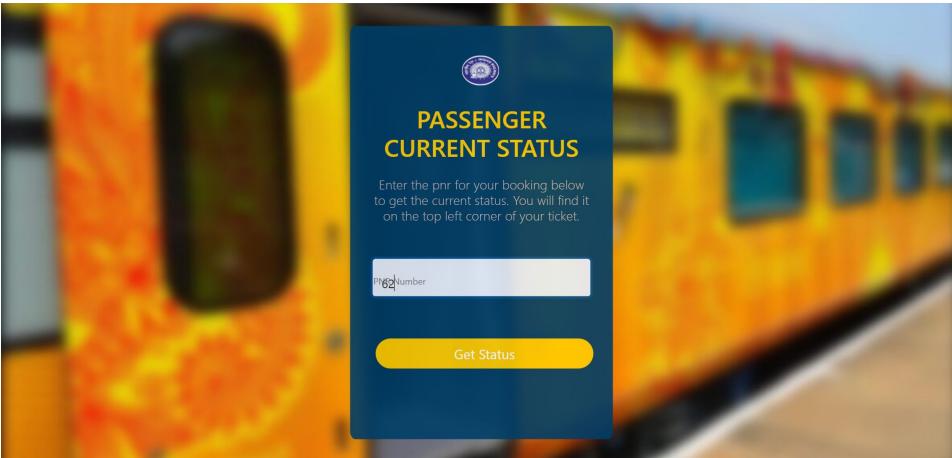
```
mysql> -
```

CONTRIBUTED BY :

DEEPAK - 19BCI0003

ROHIT - 19BCE2673

PNR Status Page



Recent Booked Tickets			
Train No	PNR No	No of Seats	Status
12	62	1	Confirmed
Go Back To Home			

Database - Pnr_details

```
mysql> desc pnr_details;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| pnr   | int    | YES  |     | NULL    |          |
| trainno | bigint | YES  |     | NULL    |          |
| email  | varchar(50) | YES |     | NULL    |          |
| name   | varchar(50) | YES |     | NULL    |          |
| class  | varchar(10) | YES |     | NULL    |          |
| seat_no | int    | NO   | MUL | NULL    | auto_increment |
+-----+-----+-----+-----+-----+
6 rows in set (0.63 sec)

mysql>
```

```
mysql> select * from pnr_details;
+-----+-----+-----+-----+-----+
| pnr | trainno | email           | name  | class | seat_no |
+-----+-----+-----+-----+-----+
| 85  | 12      | deepak@gmail.com | Deepak | EC    | 49    |
| 85  | 12      | deepak@gmail.com | Abhishek | EC    | 50    |
| 86  | 12      | akshat@gmail.com | A      | AC1   | 51    |
| 87  | 12      | akshat@gmail.com | Sonu  | EC    | 52    |
| 87  | 12      | akshat@gmail.com | Rohit | EC    | 53    |
| 87  | 12      | akshat@gmail.com | Amit   | EC    | 54    |
| 88  | 12      | abhishek@gmail.com | Rohit | EC    | 55    |
| 88  | 12      | abhishek@gmail.com | Deepak | EC    | 56    |
| 88  | 12      | abhishek@gmail.com | Akshat | EC    | 57    |
| 88  | 12      | abhishek@gmail.com | Abhishek | EC    | 58    |
+-----+-----+-----+-----+-----+
10 rows in set (0.01 sec)

mysql>
```

Thank You!

