

CSE-2004 DBMS J COMPONENT

RAILWAY RESERVATION AND MANAGEMENT SYSTEM.



TEAM:

- ✓ VINAY VITTAL MOOLYA 20BCE1318
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- ✓ YASH SETH 20BCE1789

INDIVIDUAL CONTRIBUTIONS:

RAMINEDI SANTHOSH 20BCE1477:

Contributed in schema designing and designed the ADMIN PORTAL and ADD TRAINS PORTAL for the ADMIN SECTION. For this task he utilized the technologies such as HTML,CSS and PHP and frameworks such as XAMPP AND BOOTSTRAP.

YASH SETH 20BCE1789:

Contributed and designed PAYMENT PORTAL,MODIFY TRAINS,VIEW TICKET,UPDATE PROFILE AND DELETE ACCOUNT PORTALS FOR THE PROJECT .For this task he utilized the technologies such as HTML,CSS,PHP and frameworks such as XAMPP AND BOOTSTRAP.

VINAY VITTAL MOOLYA 20BCE1318:

Contributed and designed SEARCH TRAINS,BOOK TICKET,CANCEL TICKET,VIEW TRAINS,DISPLAY USERS,DELETE TRAINS AND THE LOGIN PORTAL FOR THE WHOLE PROJECT. For this task he utilized the technologies such as HTML,CSS,PHP and frameworks such as XAMPP AND BOOTSTRAP.

ABSTRACT

India has the largest railway network which is the primary mode of transport. While there is a functional online reservation system in place there is more room for improvement .

Our project deals with online reservation and management system which facilitates the passengers to enquire about the trains availability, book/cancel the tickets and keeps record of the transaction history.

This project aims to provide an efficient ,faster, more secure, simple, effective, user friendly alternative for the conventional method.

Its primary functions are :

- Registering the user records.
- View the availability of trains.
- Tracks the info about ticket ,train route and station details.
- Book/Cancel the tickets.
- View and manage the transaction history.

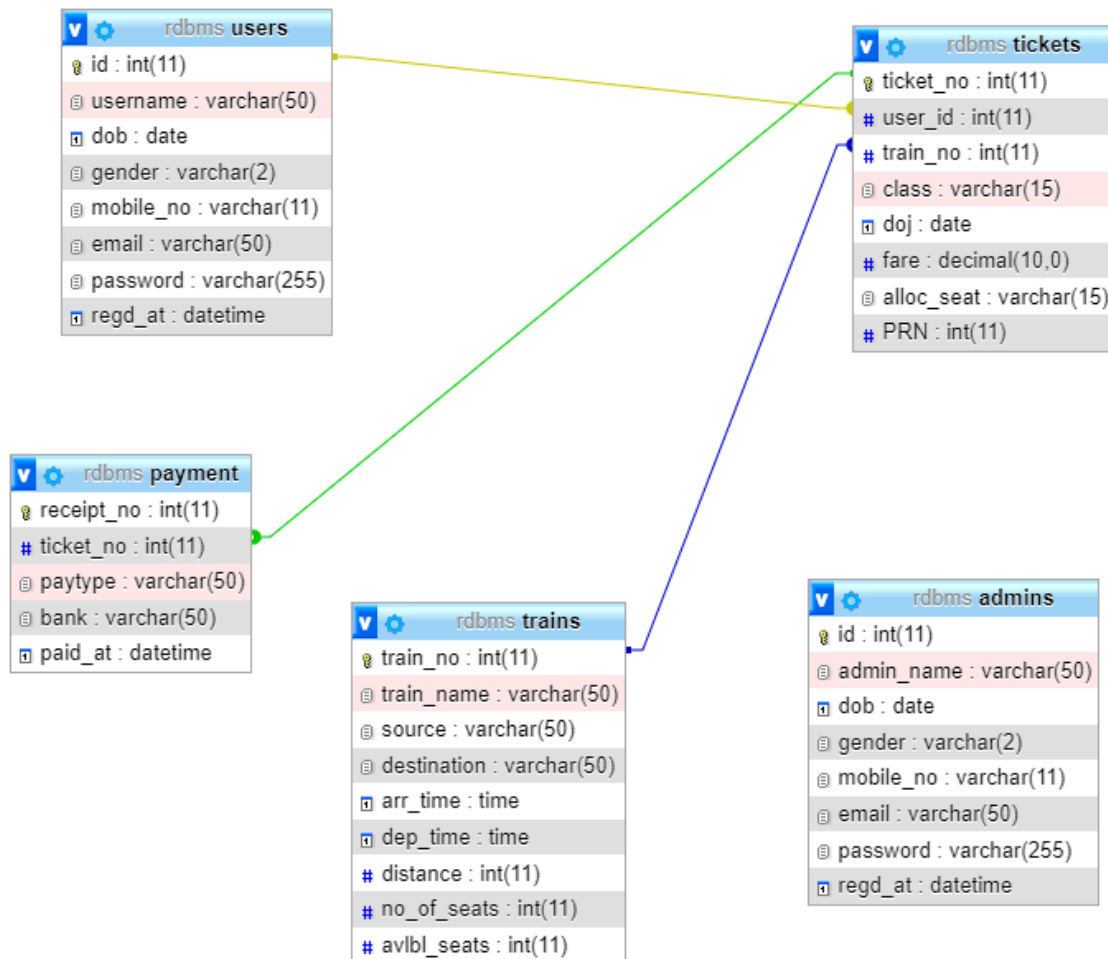
As India is moving towards the digitalizing the nation, this project attempts to provide a modern solution for the social problem described above.

The project is webpage which is locally hosted by XAMPP LOCAL HOST service and includes other technologies such as HTML,CSS,PHP,& BOOTSTRAP!

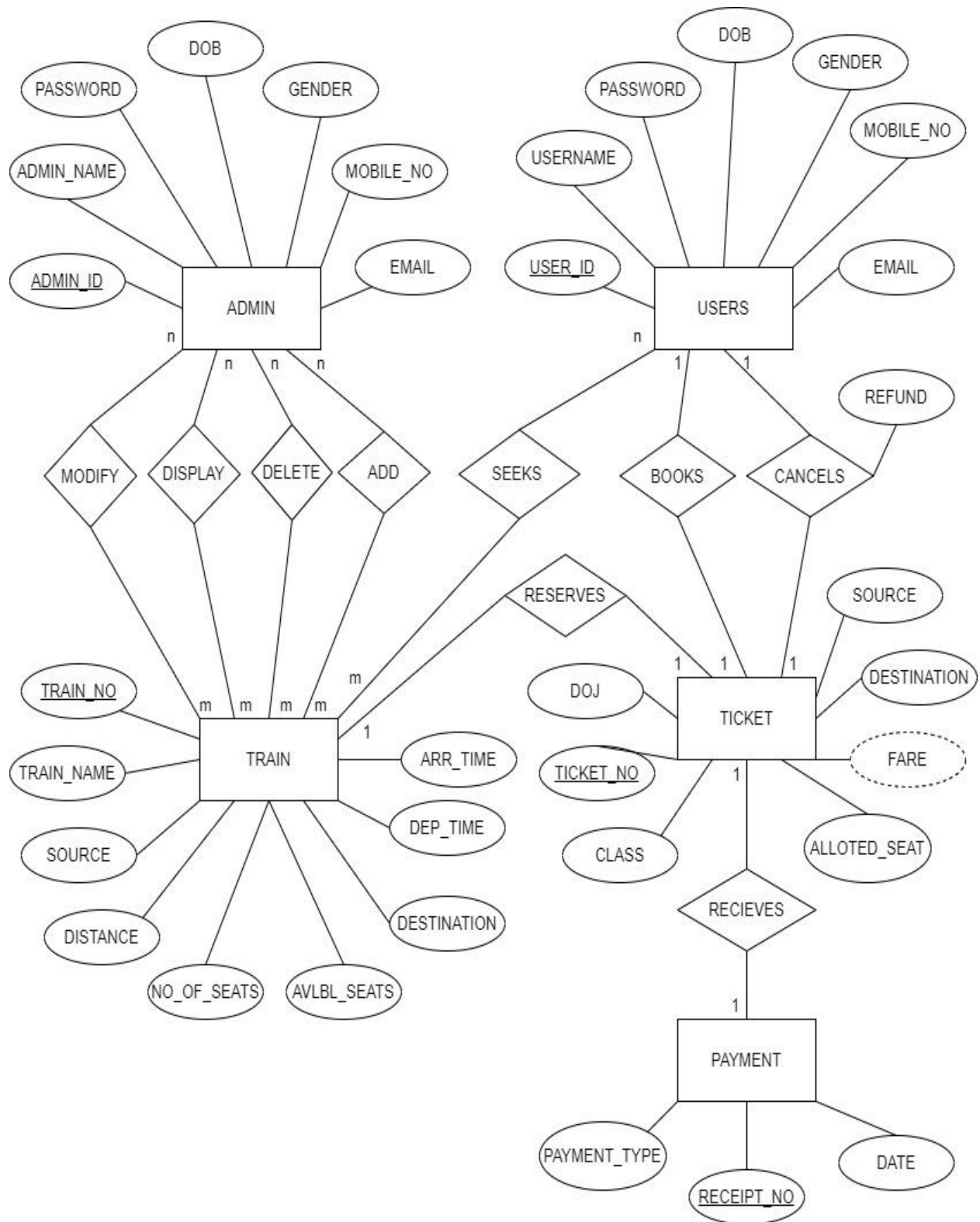
REQUIREMENTS & DESIGN

Our project is a fully functional railway ticket booking system with responsive front-end and functional back-end. It provides the users functionalities to search trains, book tickets and cancel tickets and the admins with services such as adding trains, deleting trains, and updating the train details. The above-mentioned functionalities are regulated with a user/admin login portal.

UML DIAGRAM:



CONCEPTUAL DATABASE DESIGN:



LOGICAL DATABASE DESIGN:

CREATE TABLE ADMIN

```
(  ADMIN_ID NUMBER,
    ADMIN_NAME VARCHAR(20) ,
    DOB DATE,
    GENDER CHAR(1) ,
    MOBILE_NO NUMBER(10) ,
    EMAIL VARCHAR(40) ,
    PASSWORD VARCHAR(15) ,
    CONSTRAINT ADMIN PRIMARY KEY(ADMIN_ID)) ;
```

CREATE TABLE USER

```
(  USER_ID NUMBER,
    USERNAME VARCHAR(20) ,
    DOB DATE,
    GENDER CHAR(1) ,
    MOBILE_NO NUMBER(10) ,
    EMAIL VARCHAR(40) ,
    PASSWORD VARCHAR(15) ,
    CONSTRAINT USER PRIMARY KEY(USER_ID)) ;
```

CREATE TABLE TRAIN

```
(  TRAIN_NO NUMBER(5) ,
    TRAIN_NAME VARCHAR(20) ,
    SOURCE VARCHAR(20) ,
```

```
DESTINATION VARCHAR(20) ,  
ARR_TIME TIME ,  
DEP_TIME TIME ,  
DISTANCE NUMBER ,  
NO_OF_SEATS NUMBER ,  
AVLBL_SEATS NUMBER ,  
CONSTRAINT TRAIN PRIMARY KEY (TRAIN_NO) ) ;
```

```
CREATE TABLE TICKET  
( TICKET_NO NUMBER ,  
  TRAIN_NO REFERENCES TRAIN (TRAIN_NO) ,  
  SOURCE REFERENCES TRAIN (SOURCE) ,  
  DESTINATION REFERENCES TRAIN (DESTINATION) ,  
  FARE NUMBER ,  
  CLASS VARCHAR(15) ,  
  DOJ DATE ,  
  ALLOTTED_SEAT VARCHAR(5) ,  
  CONSTRAINT TICKET PRIMARY KEY (TICKET_NO) ) ;
```

```
CREATE TABLE PAYMENT  
( RECEIPT_NO NUMBER ,  
  USER_ID REFERENCES USER (USER_ID) ,  
  TICKET_NO REFERENCES TICKET (TICKET_NO) ,  
  FARE REFERENCES TICKET (FARE) ,  
  PAYMENT_TYPE VARCHAR(10) ,  
  PAID_AT DATE ,
```

```
CONSTRAINT PAYMENT PRIMARY KEY (RECEIPT_NO) );  
CREATE TABLE CANCELS  
( USER_ID REFERENCES USER (USER_ID) ,  
  TICKET_NO REFERENCES TICKET (TICKET_NO) ,  
  REFUND NUMBER  
);
```

IMPLEMENTATION

LIST OF TASKS:

❖ ADMIN:

1. ADD TRAINS
2. DELETE TRAINS
3. MODIFY TRAINS
4. DISPLAY USERS
5. DISPLAY TRAINS

❖ USER:

1. SEARCH TRAINS
2. BOOK TICKET
3. VIEW TICKET
4. CANCEL TICKET
5. UPDATE PROFILE
6. DELETE ACCOUNT

IMPLEMENTATION OF THE ABOVE QUERIES:

ADMIN:

CODE FOR CONNECTION WITH THE DATABASE:

```
<?php
/*
THIS FILE CONTAINS DATABASE CONFIGURATION ASSUMING YOU ARE RUNNING mysql using user "root" and password ""
*/
define('db_server','localhost');
define('db_username','root');
define('db_password','');
define('db_name','rdbms');

//try connecting to the database
$conn=mysqli_connect(db_server,db_username,db_password,db_name);

//check the connection

if($conn==false)
{
    die('Error: Cannot connect!');
}
?>
```

CODE FOR ADD TRAINS:

```
$sql = "INSERT INTO trains (train_name,source,destination,arr_time,dep_time,distance,no_of_seats,avlbl_seats) values(?,?,?,?,?,?);";
$stmt=mysqli_prepare($conn,$sql);
if($stmt)
{
```

```
mysqli_stmt_bind_param($stmt, 'ssssssss', $param_train_name, $param_source, $param_destination, $param_arr_time, $param_dep_time, $param_distance, $param_no_of_seats, $param_avlbl_seats);

    // set these parameters

    $param_train_name = $train_name;

    $param_source=$source;

    $param_destination=$destination;

    $param_arr_time=$arr_time;

    $param_dep_time=$dep_time;

    $param_distance=$distance;

    $param_no_of_seats=$no_of_seats;

    $param_avlbl_seats=$avlbl_seats;

    //TRY TO EXECUTE THE QUERY
    if(mysqli_stmt_execute($stmt))
    {
        header("location:awelcome.php");
    }
    else{
        echo "Something went wrong... cannot redirect";
    }
}
mysqli_stmt_close($stmt);
```

CODE FOR DELETE TRAINS:

```
<?php
include "config.php";

$tno=$_GET['train_no'];

$delete = "DELETE FROM trains WHERE train_no=$tno";

$query=mysqli_query($conn,$delete);
if($query)
{
    header('location:dispttrain.php');
}
?>
```

CODE FOR MODIFY TRAINS:

```
$tn = $_GET['train_no'];
$train_name=$_POST['train_name'];
$source=$_POST['source'];
$destination=$_POST['destination'];
$arr_time=$_POST['arr_time'];
$dep_time=$_POST['dep_time'];
$distance=$_POST['distance'];
$no_of_seats=$_POST['no_of_seats'];
$avlbl_seats=$_POST['avlbl_seats'];

$query="UPDATE trains set train_name='$train_name',source='
$source',destination='$destination',
        arr_time='$arr_time',dep_time='$dep_time',distance=
$distance,no_of_seats=$no_of_seats,avlbl_seats=$avlbl_seats
        WHERE train_no=$tn";
$res= mysqli_query($conn,$query);

if($res){
    ?>
```

```

        <script>
            alert("data updated properly");
        </script>
        <?php
    }
    else
    {
        ?>
        <script>
            alert("data not updated properly");
        </script>
        <?php
    }
}

```

USER:

CODE FOR SEARCH TRAINS:

```

<?php

include "config.php";
if(isset($_POST['search']))
{
    $to=$from=$date="";
    $from=trim($_POST['from']);
    $to=trim($_POST['to']);
    $selectquery="SELECT * FROM trains where source='$from'
AND destination='$to'";

    $query=mysqli_query($conn,$selectquery);

    while($res = mysqli_fetch_array($query))
    {
        ?>
        <tr>
        <td><?php echo $res['train_no'];?></td>

```

```

<td><?php echo $res['train_name'];?></td>
<td><?php echo $res['source'];?></td>
<td><?php echo $res['destination'];?></td>
<td><?php echo $res['arr_time'];?></td>
<td><?php echo $res['dep_time'];?></td>
<td><?php echo $res['no_of_seats'];?></td>
<td><?php echo $res['avlbl_seats'];?></td>
<td><a href="ticketgen.php?train_no=<?php echo
    $res['train_no'];?>" data-toggle="tooltip" data-
placement="top" title="BOOK TICKET"><i class="fa fa-
book" aria-hidden="true"></i></a></td>
</tr>
<?php
}

}

?>

```

CODE FOR BOOK TICKET:

```

$tn=$_GET['train_no'];
$tseat=$_arrdata['no_of_seats'];
$avseat=$_arrdata['avlbl_seats'];
$class=trim($_POST['class']);
$doj=trim($_POST['doj']);
$fare=( $_arrdata['distance']*0.5);

if(strcasecmp($class,"general")==0)
{
    $fare+=500;
}
elseif(strcasecmp($class,"sleeper")==0)
{
    $fare+=1000;
}
elseif(strcasecmp($class,"AC")==0)
{
    $fare+=2000;
}

```

```

    }
    // now we need to allocate the seats

    $aseat='T'.strval($tn).'-S-'.strval($tseat-$avseat);

    // now we need to insert these data into the ticket table in the database.

    $sql2 = "INSERT INTO tickets (user_id,train_no,class,doj,fare,alloc_seat) values(?,?,?,?,?,?)";
    $stmt=mysqli_prepare($conn,$sql2);
    if($stmt)
    {
        mysqli_stmt_bind_param($stmt,'ssssss',$param_userid,$param_train_no,$param_class,$param_doj,$param_fare,$param_alloc_seat);

        // set these parameters
        $param_userid=$id;

        $param_train_no=$tn;

        $param_class=$class;

        $param_doj=$doj;

        $param_fare=$fare;

        $param_alloc_seat=$aseat;

        //TRY TO EXECUTE THE QUERY
        if(mysqli_stmt_execute($stmt))
        {
            // completed inserting the details now.. we need to display them as a ticket and ask for payment

```

```

        // now we need to decrement the allocated seat
        and update in the database

        $avseat-=1;

        $sql3="UPDATE trains set avlbl_seats=$avseat WHERE
train_no={$tn}";

        $pas=mysqli_query($conn,$sql3);

        header("location:ticket.php");
    }
    else{
        echo "Something went wrong... cannot redirect";
    }
}
mysqli_stmt_close($stmt);
}
}

```

CODE FOR CANCEL/DELETE TICKET:

```

<?php
include "config.php";

$ticket_no=$_GET['ticket_no'];

$delete = "DELETE FROM tickets WHERE ticket_no=$ticket_no";

$delete1="DELETE FROM payment WHERE ticket_no=$ticket_no";

$query=mysqli_query($conn,$delete);

$query1=mysqli_query($conn,$delete1);
// the ticket has been deleted
//redirecting to welcome page
if($query&&$query1)

```

```
{  
    header('location:welcome.php');  
}  
?>
```

CODE FOR VIEW TICKET:

```
<?php  
    session_start();  
  
    include "config.php";  
  
    $id=$_SESSION['id'];  
  
    $selectquery="SELECT * FROM tickets WHERE user_id={$id}";  
  
    $query=mysqli_query($conn,$selectquery);  
  
    // getting the number of rows in the users table  
    $num = mysqli_num_rows($query);  
  
    if($num==0)  
    {  
        echo'  
        <script>  
        swal("Sorry!", "You have not booked the ticket yet!", "fail");  
        </script>';  
    }  
    else  
    {  
  
        $res=mysqli_fetch_array($query);  
        // res will give all the details about the ticket table  
  
        $prn=$res['PRN'];  
  
        if($prn!=0)  
        {  
            $status="PAID";  
        }  
    }  
}
```



```

else{
    | | $status="NOT PAID";
}

$sql1="SELECT * FROM users WHERE id={$id}";

$query1=mysqli_query($conn,$sql1);

$res1=mysqli_fetch_array($query1);

//res1 gives u all the details about the user

$tn=$res['train_no'];

$sql2="SELECT * FROM trains WHERE train_no={$tn}";

$query2=mysqli_query($conn,$sql2);

$res2=mysqli_fetch_array($query2);

// res2 gives u all the details about the train

?>
<tr>
    <td><?php echo $res['user_id'];?></td>
    <td><?php echo $res1['username'];?></td>
    <td><?php echo $res1['mobile_no'];?></td>
    <td><?php echo $res2['train_name'];?></td>
    <td><?php echo $res2['source'];?></td>
    <td><?php echo $res2['destination'];?></td>
    <td><?php echo $res['class'];?></td>
    <td><?php echo $res['doj'];?></td>
    <td><?php echo $res['fare'];?></td>
    <td><?php echo $res['alloc_seat'];?></td>

```

```

<td><a href="delticket.php?ticket_no=<?php echo $res['ticket_no'];?>" data-toggle="tooltip" data-placement = "top"
title="DELETE">
<i class="fa fa-trash" aria-hidden="true"></i></a></td>
<?php
if($status!="PAID")
{
    ?>
    <td><?php echo $status;?><a href="payticket.php?ticket_no=<?php echo $res['ticket_no'];?>" data-toggle="tooltip"
data-placement = "top" title="PAY"><i class="fa fa-money" aria-hidden="true"></i></a> </td>
    <?php
}
else
{
    ?>
    <td><?php echo $status;?></td>
    <?php
}
}
?>

```

PROJECT DEMO:

phpMyAdmin: Implementation of the DB

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 Database: rdbms

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Designer

Filters

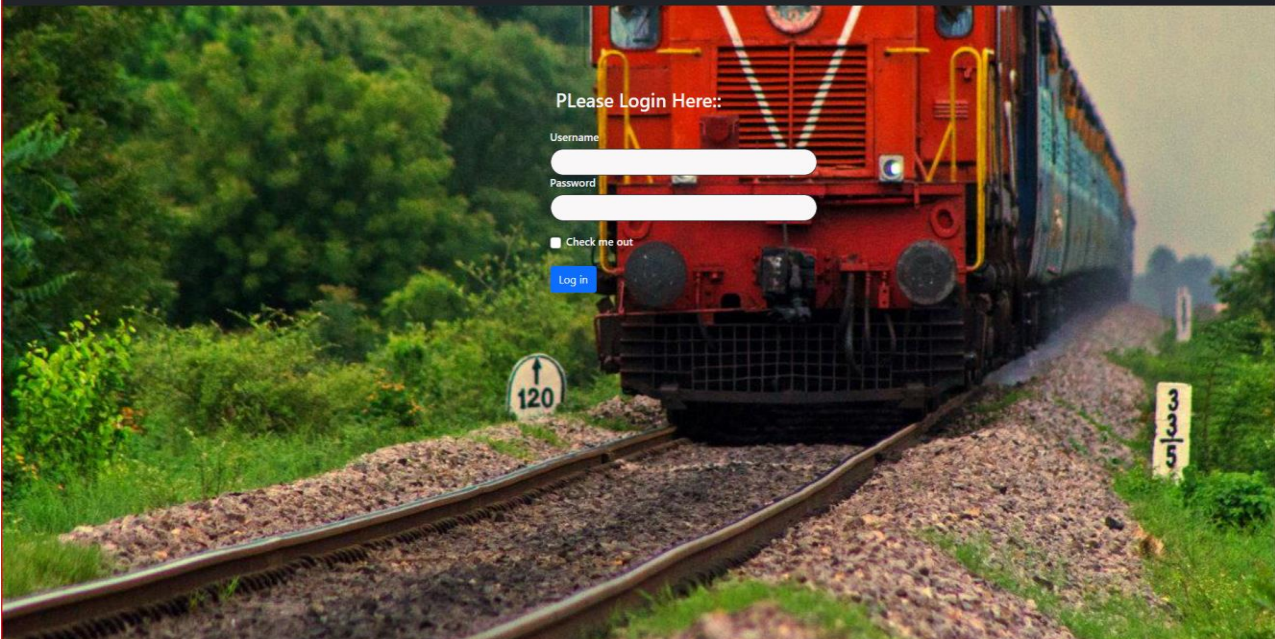
Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admins	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> payment	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> tickets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> trains	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> users	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
5 tables	Sum	5	InnoDB	utf8mb4_general_ci	128.0 KiB	0 B

☐ Check all With selected:

LOGIN PORTAL :

RAILWAY RESERVATION SYSTEM HOME ABOUT US REGISTER ADMIN



Please Login Here::

Username

Password

☐ Check me out

[Log in](#)

ABOUT US PAGE :


RAILWAY RESERVATION SYSTEM ABOUT US BACK

ABOUT US !

THIS PROJECT IS FRUIT OF HARDWORK & DEDICATION BY A TEAM CONSISTING OF 3 MEMBERS

1. VINAY VITTAL MOOLYA (20BCE1318)
2. RAMINEDI SANTOSH (20BCE1477)
3. YASH SETH (20BCE1789).

WE WOULD LIKE TO THANK OUR MENTOR MR.ALOK CHAUHAN FOR GUIDING OUR WAY TO ACHIEVE SUCCESS IN THE PROJECT.



REGISTER PAGE :

RAILWAY RESERVATION SYSTEM REGISTER ABOUT US LOGIN/BACK

Please Register Here::

Username
Enter the username

DOB
mm/dd/yyyy

Gender
Enter the gender

Mobile No.:
Enter your Mobile number

Email
Enter your email

Password
Enter the password

Confirm Password
Enter the password again

☐ Check me out

Register


SUCCESSFUL LOGIN :

RAILWAY RESERVATION SYSTEM HOME SEARCH TRAINS ABOUT US VIEW TICKET LOGOUT Welcome Vinay Moolya

Welcome Vinay Moolya ! Now u can use this website!

1. UPDATE PROFILE
2. DELETE ACCOUNT
3. SEARCH FOR TRAINS
4. BOOK TICKETS
5. CANCEL TICKET

You can access all the above menu items from the top!




Good Job!

LoggedIn successfully!

OK

HOME PAGE: WITH QUICK NAVIGATION BAR

RAILWAY RESERVATION SYSTEM [HOME](#) [SEARCH TRAINS](#) [ABOUT US](#) [VIEW TICKET](#) [LOGOUT](#)

 Welcome Vinay Moolya ▾

Welcome Vinay Moolya ! Now u can use this website!

1. UPDATE PROFILE
2. DELETE ACCOUNT
3. SEARCH FOR TRAINS
4. BOOK TICKETS
5. CANCEL TICKET

You can access all the above mentioned functionalities in the navbar at the top!

SEARCH TRAINS: WITH REALTIME UPDATION

[SEARCH TRAINS](#) [TRAIN DETAILS](#) [BACK](#)

ENTER THE DETAILS HERE::


CHENNAI ▾

BANGALORE ▾

☐ Check me out

Search Trains

List of trains for the given query!

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	ARR_TIME	DEP_TIME	NO_OF_SEATS	AVLBL_SEATS	BOOK TICKET
1	CHENNAI EXPRESS	CHENNAI	BANGALORE	06:30:00	16:45:00	500	497	

BOOK TICKET:

RAILWAY RESERVATION SYSTEM [CANCEL TICKET](#) [ABOUT US](#) [BACK](#) [LOGOUT](#)

Please Enter details for booking Here::

DOJ


☒ I confirm booking this ticket!

BOOK TICKET

SUCCESSFULLY BOOKED TICKET:

RAILWAY RESERVATION SYSTEM [TICKET DETAILS](#) [BACK](#)

HEY USER BELOW IS YOUR TICKET!!

TICKET_NO	USERNAME	MOBILE_NO	TRAIN_NAME	SOURCE	DESTINATION	CLASS	DOJ	FARE	ALLOC_SEAT	DELETE
4	Vinay Moolya	7204375902	CHENNAI EXPRE	CHENNAI	BANGALORE	AC	2021-06-30	3750	T1-S-1	



Good Job!



Booked ticket Successfully!

OK

TICKET VIEW:

RAILWAY RESERVATION SYSTEM [TICKET DETAILS](#) [BACK](#)

HEY USER BELOW IS YOUR TICKET!!

USERNAME	MOBILE_NO	TRAIN_NAME	SOURCE	DESTINATION	CLASS	DOJ	FARE	ALLOC_SEAT	DELETE	PAY HERE
Vinay Moolya	7204375902	CHENNAI EXPRESS	CHENNAI	BANGALORE	AC	2021-06-30	3750	T1-S-1		

PAYMENT PORTAL: WITH PROVISION TO PAY LATER

RAILWAY RESERVATION SYSTEM [TICKET DETAILS](#) [BACK](#)

HEY USER BELOW IS YOUR TICKET!!

TICKET_NO	USERNAME	MOBILE_NO	TRAIN_NAME	SOURCE	DESTINATION	CLASS	DOJ	FARE	ALLOC_SEAT
4	Vinay Moolya	7204375902	CHENNAI EXPRESS	CHENNAI	BANGALORE	AC	2021-06-30	3750	T1-S-1

Please Enter details for Payment Here::

UPI

BANK NAME

HDFC BANK


☒ confirm to pay!

PAY


PAY LATER

VIEW TICKET IN HOME: WITH PAYMENT STATUS

HEY USER BELOW IS YOUR TICKET!!

USERNAME	MOBILE_NO	TRAIN_NAME	SOURCE	DESTINATION	CLASS	DOJ	FARE	ALLOC_SEAT	DELETE	STATUS
Vinay Moolya	7204375902	CHENNAI EXPRESS	CHENNAI	BANGALORE	AC	2021-06-30	3750	T1-S-1		PAID

DELETE TICKET:




Good Job!

Deleted ticket successfully!

OK

SOME MORE FUNCTIONALITIES:

RAILWAY RESERVATION SYSTEM [HOME](#) [SEARCH TRAINS](#) [ABOUT US](#) [VIEW TICKET](#) [LOGOUT](#)

 Welcome Vinay Moolya ▾

[UPDATE PROFILE](#)

[DELETE ACCOUNT](#)

Welcome Vinay Moolya ! Now u can use this website!

1. UPDATE PROFILE

2. DELETE ACCOUNT

3. SEARCH FOR TRAINS

4. BOOK TICKETS

5. CANCEL TICKET

You can access all the above mentioned functionalities in the navbar at the top!

ADMIN :

ADMIN SECURITY GATEWAY FOR LOGIN:

ADMIN SECURITY GATEWAY [VALIDATION](#) [BACK](#)

Please Enter the ADMIN SECURITY PASSWORD Here::

Password

☐ Check me out

[VALIDATE](#)

SUCCESSFUL ADMIN LOGIN:

ADMIN MANAGEMENT SYSTEM

TRAINS ▾

DISPLAY USERS

DISPLAY TICKETS

LOGOUT

Welcome Vinay

Welcome to the ADMIN MANAGEMENT SYSTEM !!!

Hello Vinay ! Now u can utilize all the functions available in the management system!


1. ADD TRAINS

2. DELETE TRAINS

3. MODIFY TRAIN DETAILS

4. DISPLAY TRAINS

5. DISPLAY USERS



GOOD JOB!

LOGGEDIN TO THE ADMIN PORTAL SUCCESSFULLY!

OK

ADMIN HOME PAGE :

ADMIN MANAGEMENT SYSTEM

TRAINS ▾

DISPLAY USERS

DISPLAY TICKETS

LOGOUT

Welcome Vinay

Welcome to the ADMIN MANAGEMENT SYSTEM !!!

Hello Vinay ! Now u can utilize all the functions available in the management system!

1. ADD TRAINS

2. DELETE TRAINS

3. MODIFY TRAIN DETAILS

4. DISPLAY TRAINS

5. DISPLAY USERS

You can access all the functionalities in the navbar at the top!

DISPLAY USER DETAILS:

ADMIN MANAGEMENT SYSTEM [USER DETAILS](#) [BACK](#)


List of users from the database is as follows!

ID	USERNAME	DOB	GENDER	MOBILE_NO	EMAIL	REGD_AT
4	Vinay Moolya	2002-08-22	M	7204375902	vinaysalpa@gmail.com	2021-05-03 11:14:05
5	Yash	2002-06-20	M	9878787094	yash123@gmail.com	2021-05-03 11:21:01
6	santosh	2002-02-14	M	9088897800	santosh123@gmail.com	2021-05-03 11:22:02

MANAGE TRAIN DETAILS:

ADMIN MANAGEMENT SYSTEM [TRAIN DETAILS](#) [BACK](#)

List of trains from the database is as follows!

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	ARR_TIME	DEP_TIME	NO_OF_SEATS	AVLBL_SEATS	UPDATE	DELETE
1	CHENNAI EXPRESS	CHENNAI	BANGALORE	06:30:00	16:45:00	500	500		
2	SHATABDHI	BANGALORE	MUMBAI	23:30:00	13:25:00	250	238		

UPDATE TRAINS PAGE:

ADMIN MANAGEMENT SYSTEM UPDATE TRAINS ADD TRAINS BACK LOGOUT

Please Modify details Here::

TRAIN_NAME	<input type="text" value="CHENNAI EXPRESS"/>
SOURCE	<input type="text" value="CHENNAI"/>
DESTINATION	<input type="text" value="BANGALORE"/>
ARRIVAL TIME	<input type="text" value="06:30 AM"/>
DEPARTURE TIME	<input type="text" value="04:45 PM"/>
DISTANCE	<input type="text" value="3500"/>
NO_OF_SEATS	<input type="text" value="500"/>
AVAILABLE_SEATS	<input type="text" value="500"/>
<input type="checkbox"/> Check me out	
<input type="button" value="UPDATE TRAIN"/>	

ADD TRAINS PAGE:

ADMIN MANAGEMENT SYSTEM ADD TRAINS MANAGE TRAINS BACK LOGOUT



Please Enter details Here::

TRAIN_NAME	<input type="text" value="Enter the Train name"/>
SOURCE	<input type="text" value="Enter the Source"/>
DESTINATION	<input type="text" value="Enter the Destination"/>
ARRIVAL TIME	<input type="text" value="--:-- --"/>
DEPARTURE TIME	<input type="text" value="--:-- --"/>
DISTANCE	<input type="text" value="Enter the Distance"/>
NO_OF_SEATS	<input type="text" value="Enter the number of seats"/>
AVAILABLE_SEATS	<input type="text" value="Enter the Available seats"/>
<input type="checkbox"/> Check me out	
<input type="button" value="ADD TRAIN"/>	

AFTER DELETING A TRAIN:

ADMIN MANAGEMENT SYSTEM TRAIN DETAILS [BACK](#)

List of trains from the database is as follows!

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	ARR_TIME	DEP_TIME	NO_OF_SEATS	AVLBL_SEATS	UPDATE	DELETE
2	SHATABDHI	BANGALORE	MUMBAI	23:30:00	13:25:00	250	238		

FUTURE WORK:

WE HAVE MADE A PRIMITIVE FUNCTIONAL RAILWAY RESERVATION AND MANAGEMENT SYSTEM WITH CORE CRUD FUNCTIONALITIES. ADDITIONAL FEATURES CAN BE ADDED TO OPTIMIZE ITS PERFORMANCE AND MAKE IT MORE USER FRIENDLY.

- ✓ AUTOMATIC DELETION OF USER TICKET AFTER A FIXED INTERVAL OF TIME
- ✓ CREATE AN INTERACTIVE BOT FOR CUSTOMER SUPPORT
- ✓ CURRENTLY MADE FOR 1 RAILWAY STATION, IN THE FUTURE IT CAN BE EXTENDED TO MULTIPLE STATIONS.
- ✓ MAKE A MORE USER FRIENDLY INTERACTIVE FRONT-END.

CONCLUSION:

We have successfully designed and implemented a database system by attempting to create a real-world application on Railway Reservation and Management system.

In our project Railway reservation system, we have stored all the information about the Trains scheduled and the users booking tickets and even status of tickets, seats etc. This data base is helpful for the applications which facilitate passengers to book the train tickets and check the details of trains from their place itself it avoids inconvenience of going to railway station for each query they get. We had considered the most important requirements only, many more features and details can be added to our project in order to obtain even more user friendly applications. These applications are already in progress and in future they can be upgraded and may become part of amazing technology.
