❖ **About:**

Our project "Next Generation Ticket Booking System" is a train ticket booking system. Normally, people use different sites to book tickets, see details of tourist attractions, and get weather reports for any area. Our system solves this problem by providing an integrated environment that is one stop for booking train tickets and learning more about any location. view Train Schedule, search trains, Seat availability, Train timings. We can also enquire about fare of different trains. can book seats online. This provides a safe and secure seat reservation system.

❖ **This website is built for the following purposes:**

- **Admin Login**

S.No.	Test Case	Expected Result
1.	Enter Email-id and password	It will redirect you to admin page

- **User Login**

S.No.	Test Case	Expected Result
1.	Enter Email-id and password	It will redirect you to user page

- **Weather Report**

S.No.	Test Case	Expected Result
1.	Enter city name	It will show temperature and Humidity of area

- **Tourism Area**

S.No.	Test Case	Expected Result
1.	Click on any State or Union Terrtory	It will tourism videos , map and hotel recommendation of selected place

- **Train Addition By Admin**

S.No.	Test Case	Expected Result
1.	Enter Train number , Train name , Source, Destination , Arrival Time , Departure Time , Number of Seats, Fare	It will be added in the Train list

- **Train Cancellation By Admin**

S.No.	Test Case	Expected Result
1.	Enter cancel button of train you want to cancel	It will be deleted from the Train list

- **Search Train between Stations**

S.No.	Test Case	Expected Result
1.	Enter Source and Destination	List of Train between that stations will be shown

- **Profile of user or admin**

S.No.	Test Case	Expected Result
1.	Click on Profile	Person name , email , Booking history ,its user-type and Logout option is shown

- **Search Train by Train number**

S.No.	Test Case	Expected Result
1.	Enter Train number	Train information will be shown

- **Fare Enquiry**

S.No.	Test Case	Expected Result
1.	Enter Source and Destination	Fare will be shown of all classes

- **View Trains**

S.No.	Test Case	Expected Result
1.	Click on View Train	List of all train will be shown

- **Seat Availability**

S.No.	Test Case	Expected Result
1.	Click on Seat Availability	All Train Seat Availability will be shown

- **Ticket Booking**

S.No.	Test Case	Expected Result
1.	Enter Source and Destination , class preference and date	List of Train between that stations will be shown
2.	Select the train you want to book	Passenger detail form come
3.	Enter the number of passenger and passenger detail and click on book now	Ticket is generated
4.	Enter the mail id to which you wish to send the project	Ticket is generated

❖ **Technologies Used:**

1. Frontend :
    - HTML
    - CSS
    - JavaScript
2. Backend:
    - MySQL
    - PHP

❖ **Software and Tools required:**

- Browser: Any browser compatible to IE 6.0 and onwards.
- OS: Any operating system
- Platform: Visual Studio Code https://code.visualstudio.com/
- Front end: HTML, CSS, JavaScript
- Back end:
    - MySQL https://dev.mysql.com/downloads/installer/
    - PHP https://www.phpmyadmin.net/downloads/
- Server : XAMPP Server https://www.apachefriends.org/download.html

❖ **Dummy Database Initialization:**

Step 1:Open phpMyAdmin .

Step 2: To create table user_form for login execute following sql query.

```
CREATE TABLE user_form (
id int(255) NOT NULL AUTO_INCREMENT,
name varchar(255) NOT NULL,
email varchar(255) NOT NULL,
password varchar(255) NOT NULL,
user_type varchar(255) NOT NULL DEFAULT 'user',
PRIMARY KEY (id)
```

) ENGINE=InnoDB AUTO_INCREMENT=16 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci

Step 3: Now execute the following query to insert in user_form table.

INSERT INTO `user_form` (`id`, `name`, `email`, `password`, `user_type`) VALUES (‘1’, ‘a nu', 'anu@gmail.com', '123', 'user')

Step 4: To create table train_info for login execute following sql query.

```
CREATE TABLE train_info (
  Train number int(5) NOT NULL,
  Train name varchar(50) NOT NULL,
  Source varchar(50) NOT NULL,
  Destination varchar(50) NOT NULL,
  Departure Time time NOT NULL,
  Arrival Time time NOT NULL,
  Seats Available(1st Ac) int(4) NOT NULL,
  Seats Available(2nd Ac) int(4) NOT NULL,
  Seats Available(3rd Ac) int(4) NOT NULL,
  Seats Available(Sleeper) int(4) NOT NULL,
  Fare(1st Ac) int(4) NOT NULL,
  Fare(2nd Ac) int(4) NOT NULL,
  Fare(3rd Ac) int(4) NOT NULL,
  Fare(Sleeper) int(4) NOT NULL,
  UNIQUE KEY Train number (Train number)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci
```

Step 5: Now execute the following query to insert in train_info table.

```
INSERT INTO `train_info`(`Train number`,`Train name`,`Source`,`Destination`,`Departure Time`,`Arrival Time`,`Seats Available(1st Ac)`,`Seats Available(2nd Ac)`,`Seats Available(3rd Ac)`,`Seats Available(Sleeper)`,`Fare(1st Ac)`,`Fare(2nd Ac)`,`Fare(3rd Ac)`,`Fare(Sleeper)`)
VALUES('22416', 'Amritsar Express', 'Howrah', 'Amritsar',
'21:30:00','22:09:00','72','96','150','450','3400','2700','1900','950'),
('12724','Attari Dli Express', 'Atari', 'Delhi',
'11:20:50','23:30:00','72','100','200','550','2000','1500','900','400'),
('12707','Gatimaan Express', 'Jhansi', 'New Delhi',
'16:00:00','02:40:00','60','100','350','630','2600','1900','1200','720'),
```

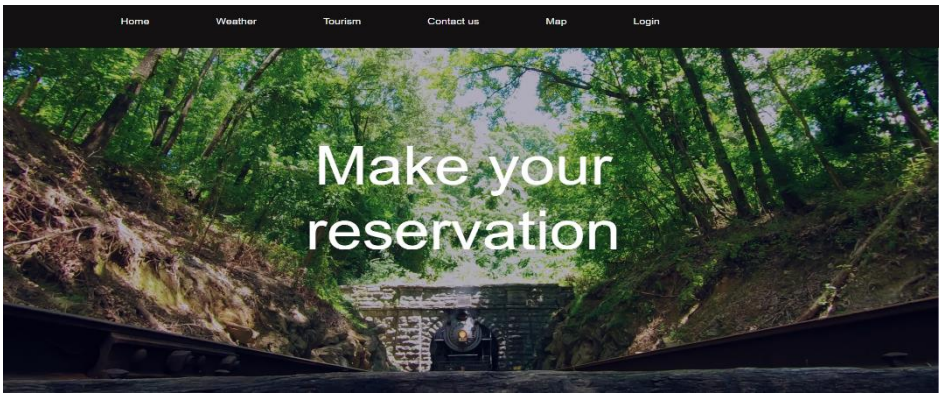
('15230','Betwa Express', 'Kanpur Central', 'Durg',
'12:30:00','02:09:00','72','96','150','450','3400','2700','1900','950'),
('15909','Bhopal Express', 'Habib ganj', 'H Nizamuddin',
'09:14:00','20:20:00','80','110','250','550','2000','1400','800','350');

❖ **Importing and Running the project through XAMPP Server:**

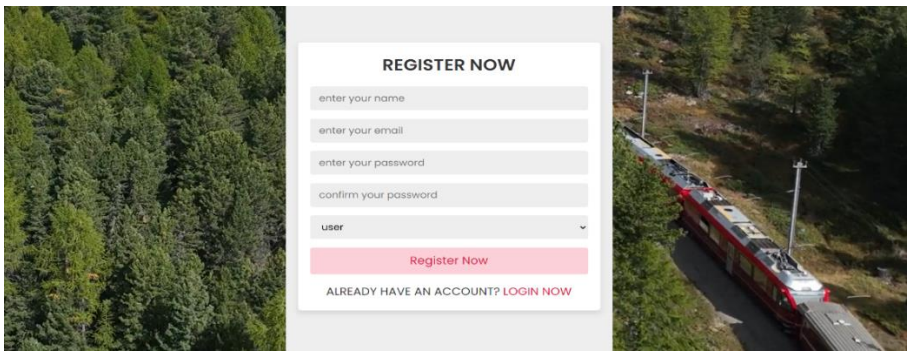
- Step 1: Create a folder trainbook in htdocs folder inside xampp folder in C drive.
- Step 2: Open XAMPP Server. Install if not available
- Step 3: Start Apache and MySQL.
- Step 4: Check Running the Site At http://localhost:8083/trainbook/

USER INTERFACE

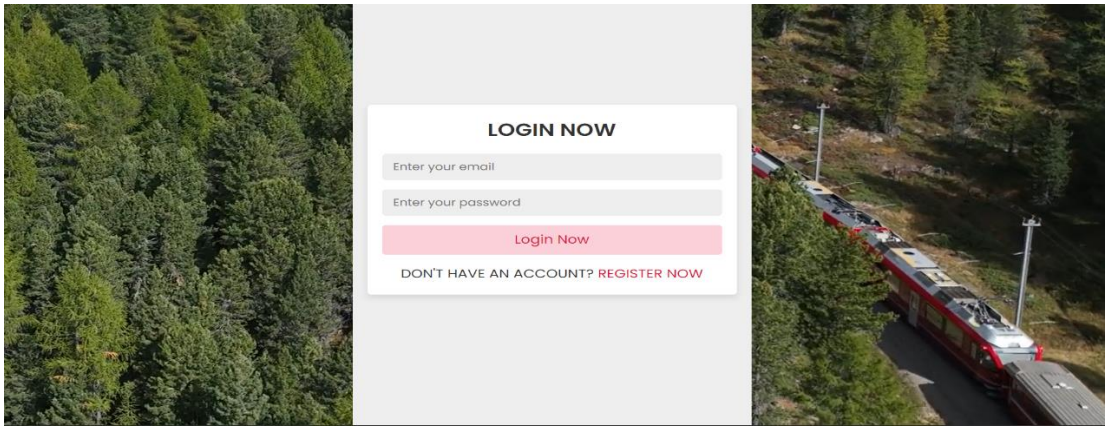
HOME PAGE



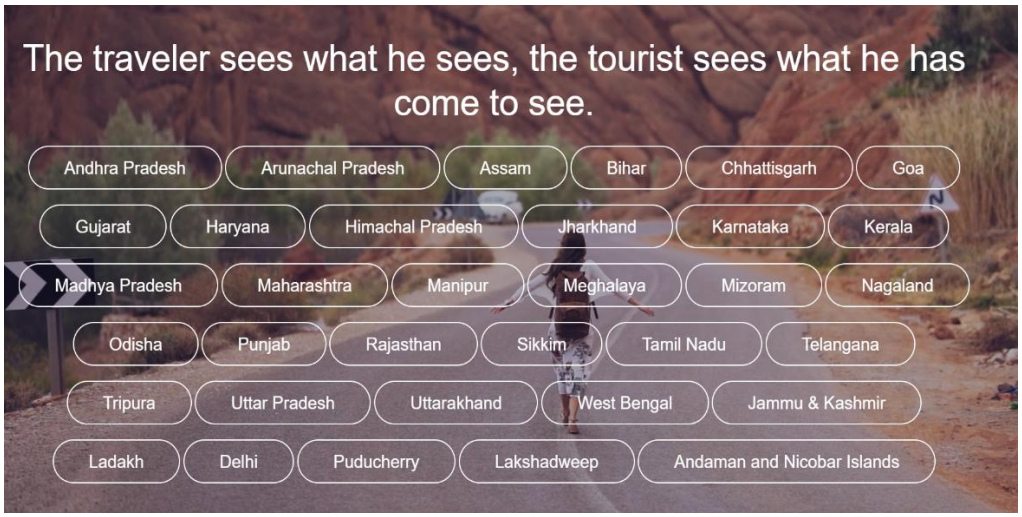
REGISTRATION PAGE

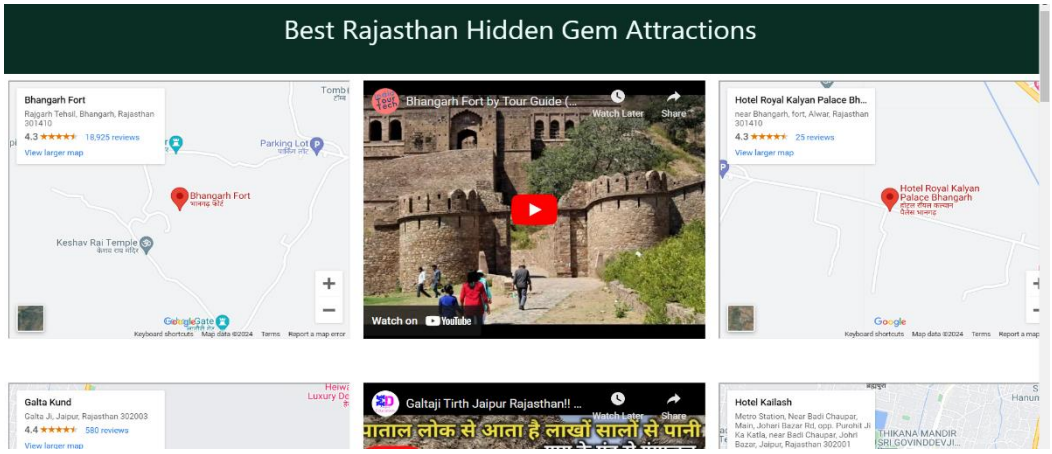


LOGIN PAGE

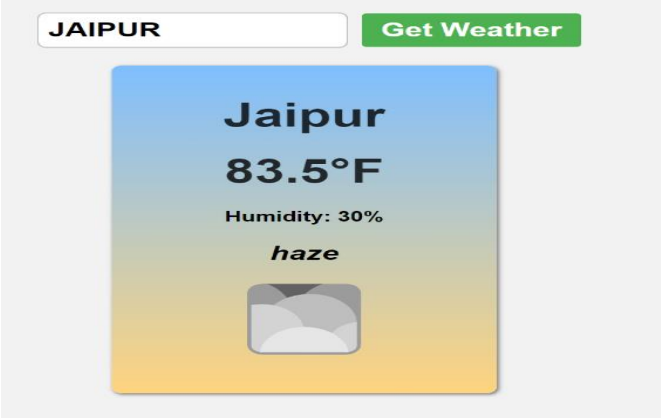


TOURISM AREA

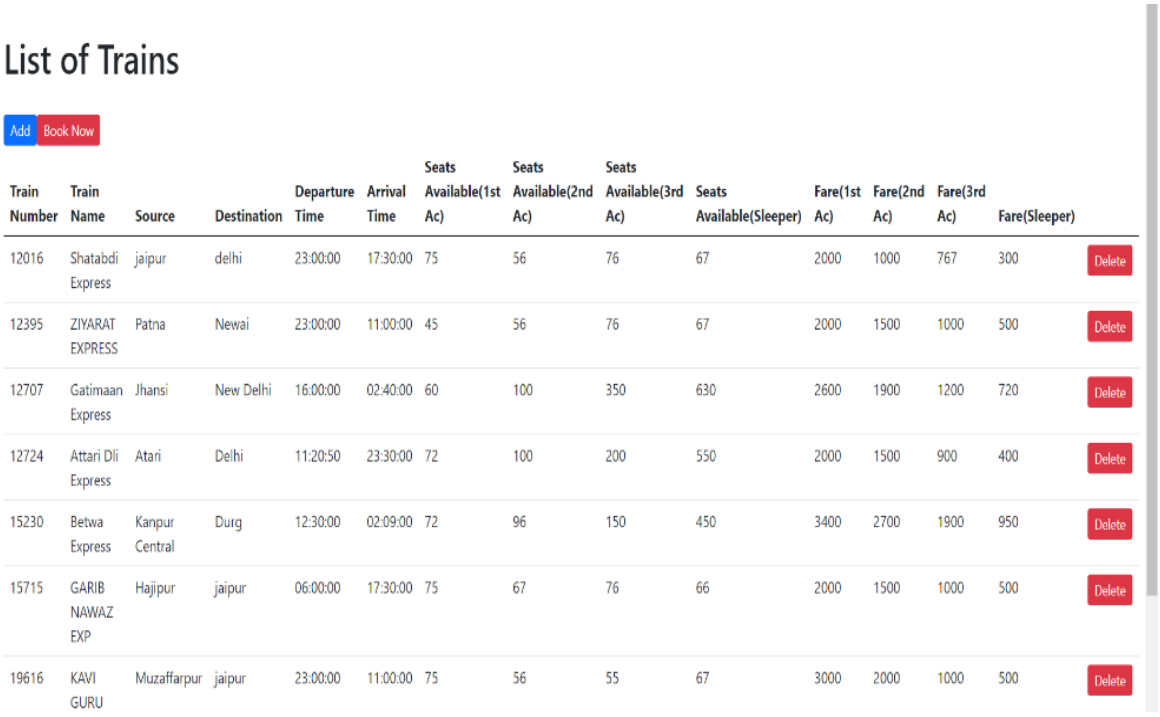




WEATHER REPORT



TRAIN LIST WHERE ADMIN CAN ADD AND CANCEL THE TRAIN



List of Trains

Add Book Now

Train Number	Train Name	Source	Destination	Departure Time	Arrival Time	Seats Available(1st Ac)	Seats Available(2nd Ac)	Seats Available(3rd Ac)	Seats Available(Sleeper)	Fare(1st Ac)	Fare(2nd Ac)	Fare(3rd Ac)	Fare(Sleeper)	
12016	Shatabdi Express	jaipur	delhi	23:00:00	17:30:00	75	56	76	67	2000	1000	767	300	Delete
12395	ZIYARAT EXPRESS	Patna	Newai	23:00:00	11:00:00	45	56	76	67	2000	1500	1000	500	Delete
12707	Gatimaan Express	Jhansi	New Delhi	16:00:00	02:40:00	60	100	350	630	2600	1900	1200	720	Delete
12724	Attari Dli Express	Atari	Delhi	11:20:50	23:30:00	72	100	200	550	2000	1500	900	400	Delete
15230	Betwa Express	Kanpur Central	Durg	12:30:00	02:09:00	72	96	150	450	3400	2700	1900	950	Delete
15715	GARIB NAWAZ EXP	Hajipur	jaipur	06:00:00	17:30:00	75	67	76	66	2000	1500	1000	500	Delete
19616	KAVI GURU	Muzaffarpur	jaipur	23:00:00	11:00:00	75	56	55	67	3000	2000	1000	500	Delete

Add Train Entry

Train Number

Train Name

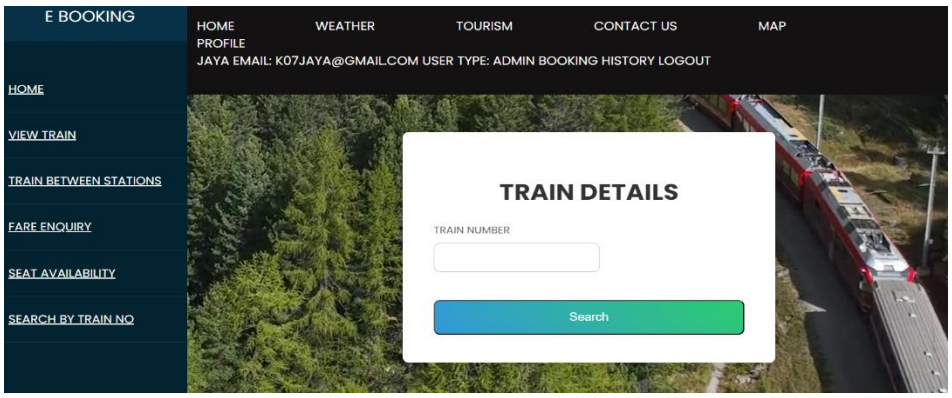
Source

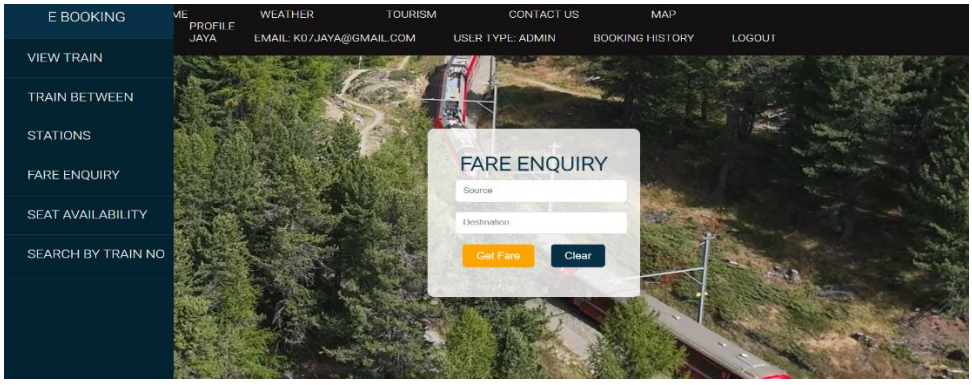
Destination

Departure Time

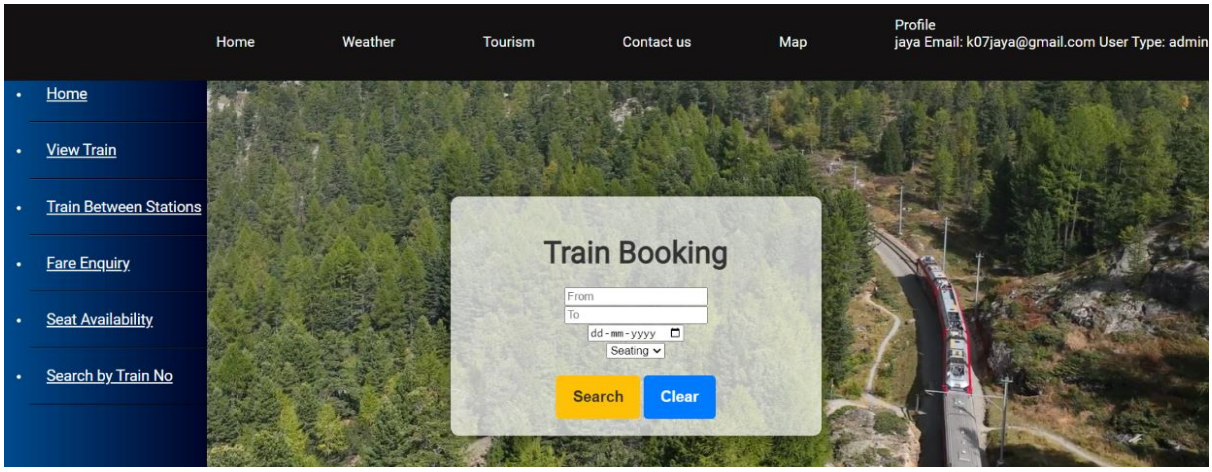
Arrival Time

Seats Available(1st Ac)





TRAIN BOOKING



-

Train Details

Train Number	Train Name	Source	Destination	Departure Time	Arrival Time	Fare	Seats Available
12724	Attari Dli Express	Atari	Delhi	11:20:50	23:30:00	2000	72

Fare per Passenger: Rs2000.00

Select Number of Passengers:

1

Passenger 1

Name:

Age:

Gender:

Male

Total Fare: Rs**2000.00**

Book Now

TICKET PRINTED

Booking Confirmation

From: atari

To: delhi

Seating: 1st Ac

Passenger Details

Passenger 1:

Name: vaishnavi

Age: 20

Gender: Female

Total Fare: Rs2000.00

Send Confirmation via Email

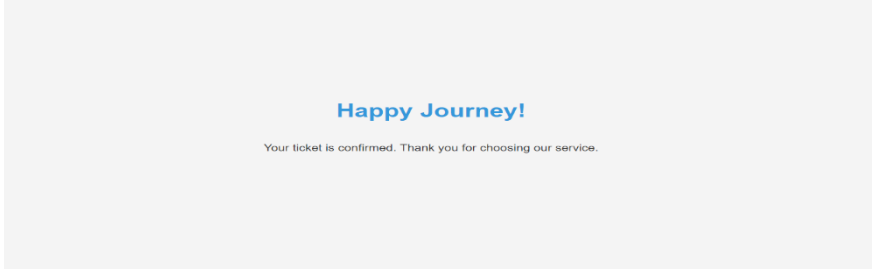
WRITE THE EMAIL ID WHERE YOU WANT TO SEND THE TICKET

Send Confirmation Email

Email: vaishnavi14227@gmail.com

Subject: Ticket

Send

MAIL SEND ON YOUR MAIL

FINAL PAGE