Online Train / Flight Reservation System

END TERM REPORT

By

Group → 17

NAME	REG. NO.	ROLL NO.
Eshant Aggarwal	11902646	48
Rajshree	11902649	49

Department of Intelligent Systems
School of Computer Science & Engineering
Lovely Professional University

Student Declaration

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, We are shall take full responsibility for it.

Eshant Aggarwal

48

Rajshree Kushwaha

49

08-04-2020

Table of Contents

➔ Background and objectives of the project

Online Train/Flight Reservation System is a fully computerized system which will be enhancing the relationship between customers, agents, IRCTC, Airline agencies.

A customer can reserve his/her ticket using this web facility without any difficulty. It is basically a different form of execution of online transactions in which the customers can reserve for tickets and can pay online for their ticket confirmation. A customer can also view his/her confirmation using log in and password which is for security purpose during reservation process. If customer needed to cancel his/ her reservation due to any reason, he/she can easily cancel out reservation with charges applied at anytime and anywhere through the access of internet.

We have created a computerized system which can used for both Train tickets and Flight tickets. in which customers can view their past and future booking by using their log in username and password.

The structure of our web page is attractive and on the other hand it is very user friendly. We want to provide the better work efficiency, security for customers information database, accuracy, reliability and feasibility.

Online railway ticket reservation system is a web based application. Railway ticket booking system software projects main aim provide a secure and easy way to book train tickets.

This project is developed in Visual Studio Basic. Railway Reservation System. Railway ticket booking system software projects main aim is to provide a secure and easy way to book train tickets.

➜ <u>Motivation, Outcome of project</u>

Railway passengers frequently need to know about their ticket reservation status, ticket availability on a particular train or for a place, train arrival or departure details, special trains etc.. Customer information centers at the railway stations are unable to serve such queries at peak periods. The number of the reservation counters available to the passengers and customers are very less. On most of the reservation systems there are long queues, so it takes a long time for any individual to book the ticket. As now there are no call centers facilities available to solve the queries of the passengers. The online railway ticket reservation system aims to develop a web application which aims at providing trains details, trains availability, as well as the facility to book ticket in online for customers. So, we thought of developing a web based application which would provide the users all these facilities from his terminal only as well as help them in booking their tickets. The Application was to be divided into two parts namely the user part, and the administrator part. And each of these has their corresponding features.

Online railway ticket reservation is an online ticket booking website, which is capable of booking ticket and search the train availability. It comprises of the following properties: -

1. An online website that will provide real- time information about the availability of tickets their prices.

2. Every registered user is able to view his booking id that has been made in his/her name.

3. Every registered user can change his password any time he wants to change.

4. The booking window contains all the facilities at one place, the user can simply login to his account and can book his ticket.

➔ Concrete Goals & Objective for reservation system

This airline ticket reservation is the main module of the project documentation system and airline reservation it is fully maintained by the administrator.

Access to book flight files that project report you want to book flight protect can be restricted through the use of user rights and airline reservation permissions.

This project includes the following features:

1. To develop a system to management of airlines, this will perform all the functions with a click of mouse button.
2. To develop a system that will be user friendly in all possible ways.
3. To provide better customer support for passengers.
4. It supports Internet based networking.
5. It will automatically calculate the fares for the ticket.
6. You can book both One-way or a Round trip.
7. After booking your tickets you will get it through your mail id which you will provide it over there.

➔ Descriptive Part of Project-1

In these two pictures you can see that from here any pupil will be able to book his/her flight/train tickets.

We can observe here that after entering these details it will display you the total no. pf passenger(s)

And then it will calculate the total expense for your ticket.

The first picture is for booking railway ticket and second is for booking flight ticket.

➜ Descriptive Part of Project-2

Here we can see that if a new user wants to book his/her ticket than he will have to sign up first so this page is made for sign

up and login.

Those who are existing users they can log in their id from here.

For those users who have to sign up they just have

to follow a few simple and easy steps which will

not tale much of their time.

1. They have to enter their name .

2. After that they have to provide their email id and phone number.

3. Than just an easy step which is to click on register button .

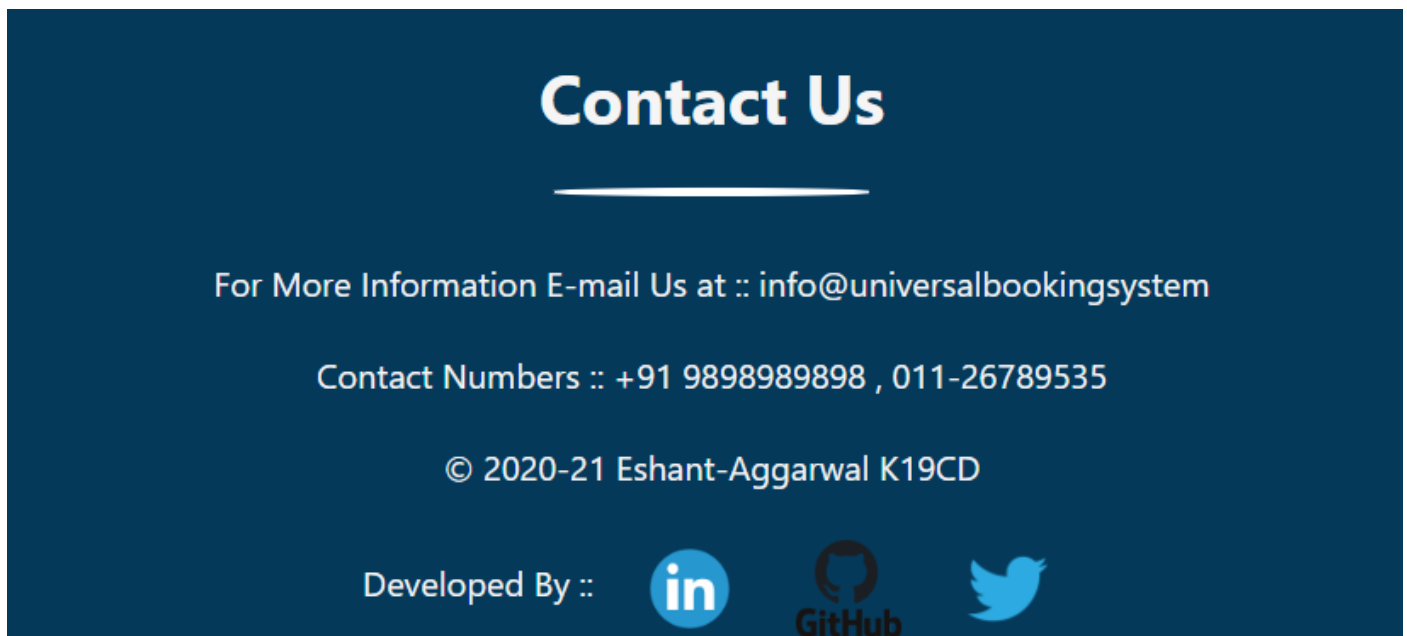## ➜ **Different Sections of Project**

In this image there are some options:

1. Home

2. Train Tickets

3. Flight Tickets

4. Contact us

5. My account

6. Log In/ Sign Up

In the coming slides we will explain you the feature of each and every button used in our website and also the purpose of using these.

Below is the Contact Us Section:

➔ <u>Implement of Diff. Sections</u>

As you have seen that we have said earlier that we will explain the function of each and every buttons used in our websites. So now these are given as below :

1. Home : These button will take you to the home screen and it will give you each and every option and from their you can go to any option.

2. Train Tickets: In this option you will see three options:

    (i)   General : In this user can book his/her general ticket.

    (ii) Tatkal : User can book tatkal ticket.

    (iii) Premium Tatkal : It is the option available for booking your ticket when no seats are available in tatkal it will take more fare from you then book the ticket.

3. Flight Tickets: In this you will get two options:

    (i)   One way trip: This will book the ticket for one way.

    (ii) Round way trip: This will book the ticket for a round trip.

4. Contact us: In this section you will be able to contact us if you have any problem we will help you out their.

5. My account: In this section you will be able to see your account details and settings.

6. Log in / Sign up : From here you can sign in or sign up your account.

7. Contact us: In this section all the contact details of website administrator is mention including some links to social platforms also for ex. LinkedIn, Twitter, GitHub.

➔ **Fare Calculation details:**

This is the fare section. After entering your details you will be able to calculate your fare .

You need to enter you details like:

1. Travelling from

2. Travelling to

3. Travelling date

4. No. pf passenger(s)

And then it will automatically calculate your fare and it will then display you the final amount you need to pay.

Before Fare Calculations: -

Travelling From	Travelling To	Travelling Date	No. of Passenger(s)	Fare Per Passenger	Total Fare	Tax :: GST @12%	Final Amount
Total Expenses as per your Selection				INR 0	INR 0	INR 0	INR 0

After Fare Calculations: -

Travelling From	Travelling To	Travelling Date	No. of Passenger(s)	Fare Per Passenger	Total Fare	Tax :: GST @12%	Final Amount
Bangaluru	Mumbai	2020-04-10	6	INR 8500	INR 51000	INR 6120	INR 57120
Mumbai	Bangaluru	2020-04-14	6	INR 8500	INR 51000	INR 6120	INR 57120
Total Expenses as per your Selection				INR 17000	INR 102000	INR 12240	INR 114240

➡ <u>Registration Details</u>

From this image you can make sure that how to register your account for this given website.

Here in the end you will see some of the notes by which you will not get any problem and can easily register yourself.

After you successful registration you will be redirected to the log in page.

➔ <u>Log In Details</u>

In this image you can see that user can log in to his/her account after creating his/her account. When you will make your account then

it will display your username and password which you

can enter over their. And just click on the login button

you will be redirected to the main page from where you

can book your ticket.

➔ **Description of Work Division in terms of Roles among Students:**

In our group, we are 2 members:

1. Eshant Aggarwal
2. Rajshree Kushwaha

Detailed Work Description:

1. Progress Report:

   Done by Eshant Aggarwal with some contribution of Rajshree.

2. Final Report:

   Done by Rajshree and Eshant Aggarwal.

3. Website Work:

   Done by Eshant Aggarwal with some contribution of Rajshree.

➜ <u>Technologies and Framework:</u>

The languages which we have used while making this project are:

1.HTML

2.CSS

3.Java Script

HTML:

I. HTML makes up the layout and structure for your website.

II. HTML is used to create a starting point for the website and is what most of web pages start from.

CSS:

I. CSS is used hand in hand with HTML to add colors, backgrounds, layouts, font styling and many more.

II. CSS a core technology web developer use to design website.

Java Script:

I. Web developers use this language to add interactive elements to their websites.

II. It is used to add dynamic content or actions to the website

including animations, dynamic changing of content and controls

the user involvement with website.

➔ **Table Structure: -**

- Flight Tickets

- Train Tickets

- One Way Trip

- Round Trip

- Journey Date

- Journey From and To

- No. of Passengers

- Calculate Expense Button

- Fare detail Table

➔ **Slider: -**

Our website also have a Automatic Slider which automatically slide the images after a fix interval of 5 seconds.

➔ **Features** ➔

- Passengers don't have to wait for a long time.

- Accuracy of information is more.

- Data efficiency is more.

- Customers can book anytime and anywhere through internet.

- Customers can login can manage their booking by own.

BONAFIDE CERTIFICATE

Certified that this project report "Online Train / Flight Reservation System" is the Bonafide work of "Eshant Aggarwal, Rajshree Kushwaha" who carried out the project work under my supervision.

<<Signature of the Supervisor>>

Nikita Kaushik

Assistant Professor

25821

School of Computer Science & Engineering