Bus Reservation System

INTRODUCTION

Bus Reservation System Project in Python Django is a fairly simple system written in Django, SQLLite3, and Python that is intended to automate the purchase of online tickets through an easy online bus booking system. You can manage/book reservations, client info, and passenger lists with the bus ticket reservation system's Django admin, and book tickets easily via the Bus reservation Website.

Online Bus Ticket Booking has become easy now .Before to book a bus ticket we have to stand in a long queue and book the ticket. Now that days have gone just go the site and select the location, Select the seat and pay online.

ABSTRACT

 Bus Reservation System is a Web based application that works within a centralized network. This project presents a review on the software program "**Bus Reservation System**" as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation and different types of route enquiries used on securing quick reservations. **Bus Reservation System** is built for managing and computerizing the traditional database, ticket booking and tracking bus and travel made. It maintains all customer details, bus details, reservation detail. The software achieved is capable of improving the customer hand and relationship management in ITC operations.

Modules of Bus Reservation System:

- Admin module : It controls all functioning of the website.

- User module : It allows user to access all the functionalities related to Bus.

- Bus module : It contains all the functionalities related to the Bus.

- Bus Schedule module : It manages all the operations related to Bus Schedule.

- Bus Route module : Manages the Bus Route related functionalities.

- Booking module : This module manages Booking functionalities.

Admin Features of Bus Reservation System Project

- **User** – For the user, The admin can add, update, and delete user information and also the admin can change the password of the user.

- **Manage Booking** – For the booking, The admin can add, update, and delete booking information.

- **Manage Bus** – For the bus, The admin can add, update, and delete booking information.

User Features of Bus Reservation System Project

- **Log in** – For the login, the user will login first before he/she can use the system.

- **Sign up** – For the sign up, the user will sign up first before he/she can use to login in the system.

- **Homepage** – For the homepage, you will be able to all the basic access in the whole system. Such as home, find bus, see booking, and login.

- **Search Bus** – For the search bus, the user will be able to search the available bus.

- **View Booking** – For the view booking, the user will be able to view the booking details.

- **Cancel Booking** – For the cancel booking, the user will be able to cancel there booking.

Software Requirements

- Operating System   :   Windows 10
- Front End   :   HTML,CSS, JavaScript
- Back End   :   Django
- Database   :   MySQL
- IDE   :   Pycharm

Technology Used

- We have developed this project using the below technology

- HTML : Page layout has been designed in HTML

- CSS : CSS has been used for all the desigining part

- JavaScript : All the validation task and animations has been developed by JavaScript

- Python : All the business logic has been implemented in Python

- SQLite : SQLite database has been used as database for the project

- Django : Project has been developed over the Django Framework