**Bus Reservation System**

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**Project Overview:**

* A **Bus Booking System** is a software application that allows passengers to book bus tickets online or through a simple interface. This system helps manage bus schedules, routes, ticket bookings. in a more organized and automated way.
* The goal of this project is to develop an efficient, user-friendly, and scalable platform for bus ticket booking that integrates seamlessly with backend systems, and route management.

**Features:**

The Bus Booking Project in Python comes with a variety of features that streamline the process of booking and managing bus tickets for both users and administrators. Below are the key features of the project:

**1.Client panel:**

• Route Search: Users can search for buses by specifying departure and destination locations, travel dates, and preferred times.

• Check Buses Details: shows a list of a buses with relevant details like departure time, pricing, and bus details (e.g., type of bus, amenities).

* Seat Booking: Users can book bus ticket themselves.

**2.Admin Panel:**

• Bus Details: Admins can add, edit, or remove bus schedules, routes. They can also manage bus timings and set the frequency of trips.

• Manage Bookings: Admins can view and manage all user bookings, including booking modifications and cancellations.

**Technical Specifications:**

**Frontend:**

• Python: For Structuring and styling and Tkinter for GUI Interface

**Backend:**

• SQLite: For database management, storing user data. In this software we are using front side python and for backend we are using SQLite database.