

A Bus Booking System

Where Bus services can,

- * register their new operator(Operator Id, Operator name, Address, Phone, Email)

here Operator Id, Operator name and Phone are mandatory fields.

- * add their new Buses(Bus Id, type, capacity, Fare, Operator Id)

here all the fields are mandatory.

Operator Id must be same as filled while registering the Operator.

- * set new Route(Route Id, start, stop), and

here all the fields are mandatory.

- * schedule new Run(Bus Id, Running Date, seats Available, Route Id)

here all the fields are mandatory.

Bus Id must be same as filled while registering the Bus.

Route Id must be same as filled while registering the Route.

And users can,

- * search for trips/buses : (to, from, date)

- * by clicking on show bus it gives out the list of all the buses

- * select one of the listed buses

- * if there is no bus found for particular trip it will show error message: no buses found!

- * enter booking details of passenger(name, gender, no. of seats, mobile number, age) and confirm booking

here name, no. of seats and mobile number are mandatory fields.

if any of these fields remains empty it will show error messages.

if required no. of seats is greater than available seats it will deliver a message: seats not available

if phone number is not of length 10 it will deliver a message: invalid mobile number

- * now click on book seat, it will pop up a total amount confirmation message box

- * after confirmation of amount it will show you your ticket.

- * search for their tickets : using their registered mobile number

* if multiple tickets are registered with same mobile number you can view all tickets using next arrow (>)

* if no trip is registered with this mobile number it will show error.

To run the app

On terminal : python3 'app.py'

Directly : click on file named 'app.py'

Sample details that are needed to be filled

*while registering bus

new Operator -> 23456 , Kamla Travels, Guna, 1234567890, kamla@gmail.com

new Bus -> 3344, AC 3x2, 50, 550, 23456

new Route -> 9876, guna, indore

new Run -> 3344, 03-12-2023, 40, 9876

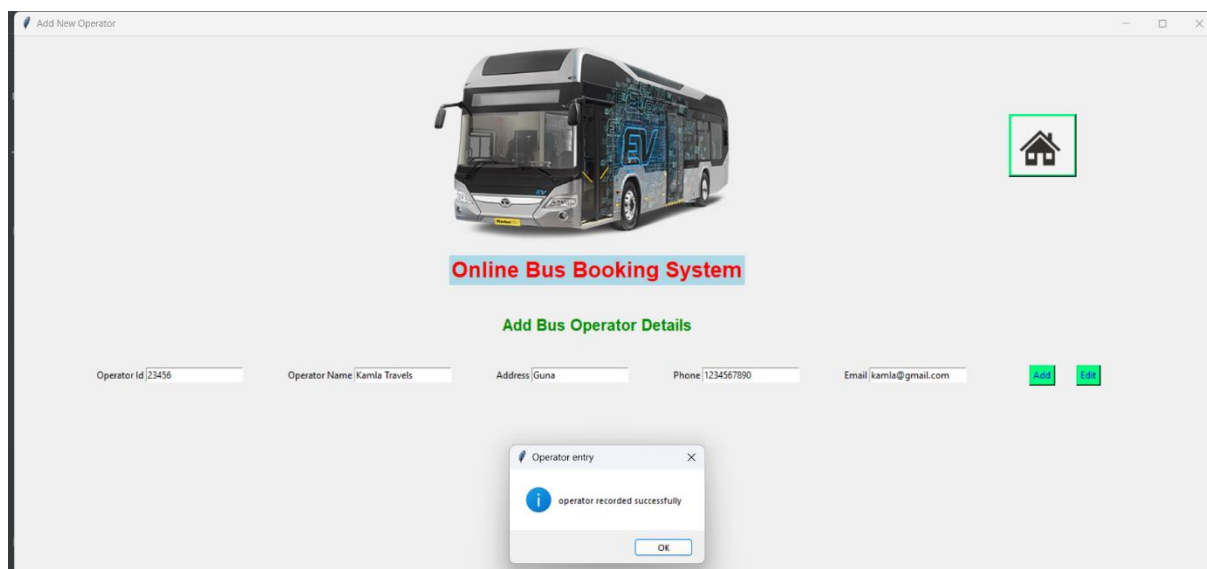
* while booking

To : indore

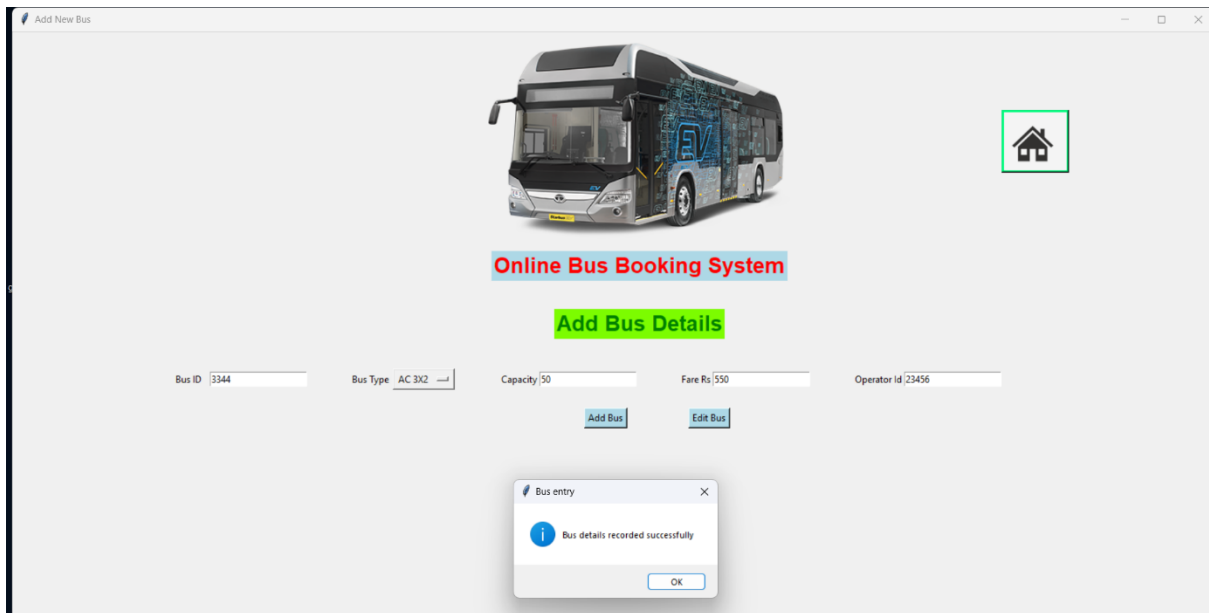
From : guna

Date : 03-12-2023

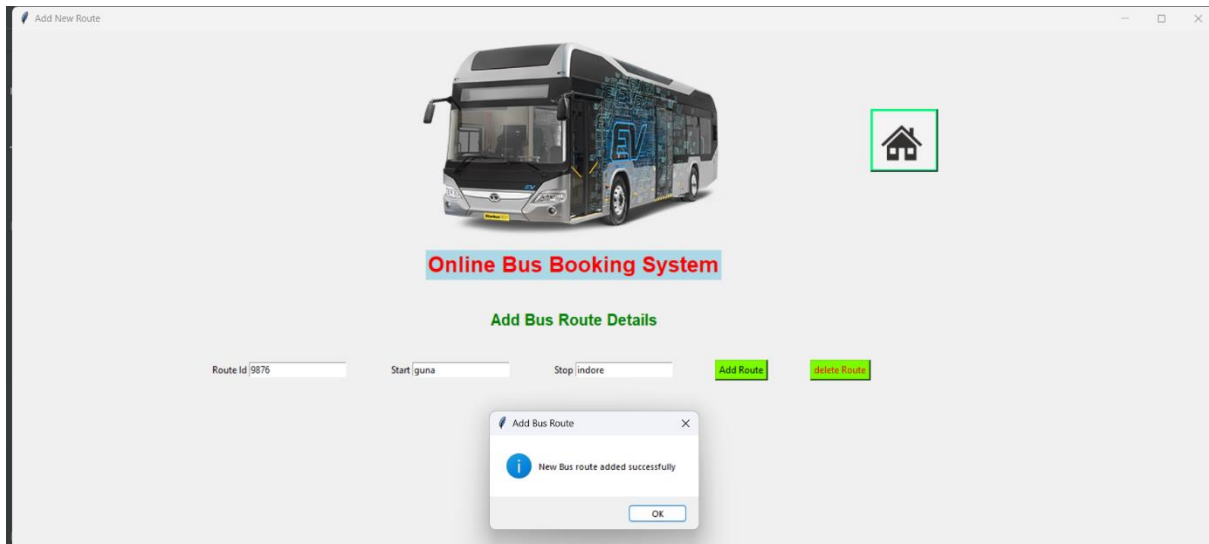
*below has shown sample photos of app:



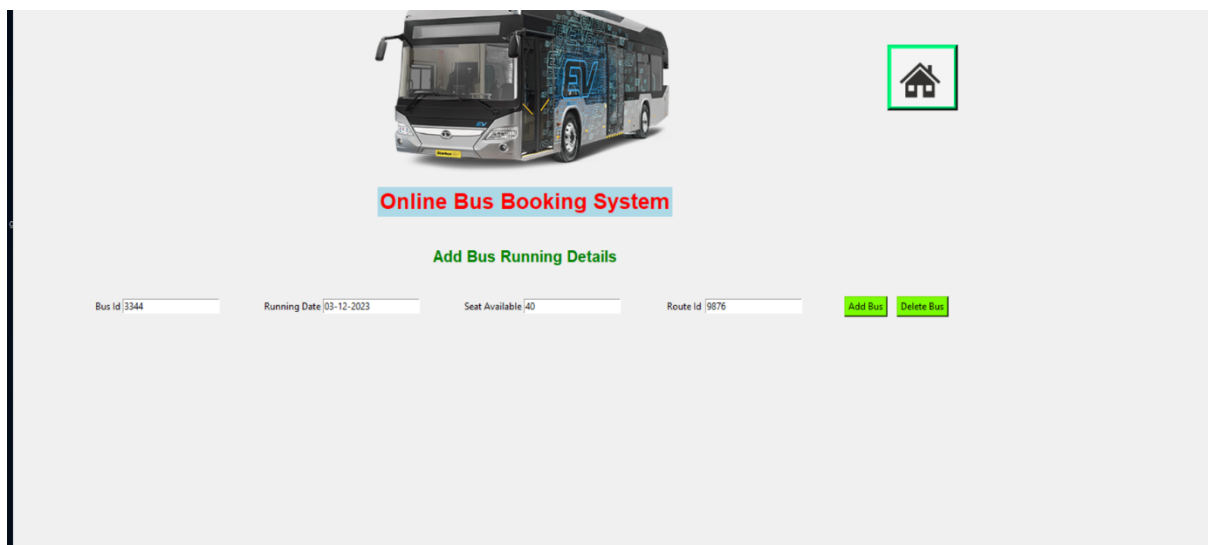
registering new Bus Operator with following details (23456 , Kamla Travels, Guna, 1234567890, kamla@gmail.com)



registering new Bus with following details(3344, AC 3x2, 50, 550, 23456)



registering new Route with following details(9876, guna, indore)



registering new Run with following details(3344, 03-12-2023, 40, 9876)

The screenshot shows the 'Seat Booking' window. At the top, there's a bus image and a home icon. A 'Fare Confirm' dialog box is open, displaying 'total amount to paid Rs. 2750' with 'Yes' and 'No' buttons. Below the dialog, the booking details are filled: To: indore, From: guna, JourneyDate: 03-12-2023. A table shows the selected bus: Kamla Travels, AC 3X2, Availability: 40, Fare: 550. Below the table, a red text prompt says 'Fill Passenger Details to book the bus ticket'. The passenger details are: Name: Khushi Jain, Gender: Female, No. of seats: 5, mobile number: 7894561223, Age: 19. A 'Book Seat' button is visible.

filled trip details (indore, guna, 03-12-2023)

The screenshot shows the 'Enter Journey Details' form. The fields are: To: indore, From: bhopal, JourneyDate: 03-12-2023. A 'show bus' button is present. Below the form, a red error message states 'no buses found!!'.

displays error when no bus is found on following route on respective date

The screenshot shows the 'Fill Passenger Details to book the bus ticket' form. The fields are: Name: (empty), Gender: --select--, No. of seats: (empty), mobile number: (empty), Age: (empty). A 'Book Seat' button is present. Below the form, red error messages are displayed: 'please enter your name!!' and 'please enter the number of seats needed!!'.

displays error when you book seat without filling name, no. of seats and mobile number



The screenshot shows the 'Fill Passenger Details to book the bus ticket' form. The fields are: Name: khushi, Gender: Female, No. of seats: 50, mobile number: 784512, Age: (empty). A 'Book Seat' button is present. Below the form, red error messages are displayed: 'seats not available!!' and 'invalid Mobile Number!!'.

displays error when seat limit exceeds or mobile number is not of length 10

The screenshot shows the 'Check Your Booking' form. The fields are: Enter your Mobile Number: 852963740. A 'Check Booking' button is present. Below the form, a red error message states 'No Ticket is registered with this Mobile Number'.

displays error when no trip is registered with this mobile number

Online Bus Booking



Online Bus Booking System

Check Your Booking

Enter your Mobile Number:

passengers	Khushi Jain	Gender	Female
No. Of Seat	5	Phone	7894561223
Age	19	Fare	2750
Booking Ref.	Booking	Bus Detail	Kamla Travels
Travel on	03-12-2023	Type	AC 3X2

Boarding Point : guna
Destination : indore

Total amount 2750 to be paid at the time of boarding

< 1 of 1 >

displays the ticket booked with following phone number