**Bus Booking System**

Database:

Database consist of five tables named as Operator, Bus, Route, Run, and Passenger\_Details.

* Operator Table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Operator\_ID | Name | Address | email\_ID | Phone |

* Bus:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bus\_ID | Type | Capacity | Fare | Route\_ID | Operator\_ID |

* Route:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Route\_ID | Station\_ID | stationName | Destination\_ID | destinationName |

* Run:

|  |  |  |
| --- | --- | --- |
| Bus\_ID | Date | Seats\_Available |

* Passenger\_Details

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Passenger | Seats | Age | Booking\_ref | travelDate | Phone | Fare | Bus\_Details | Booked\_date | Boarding\_Point | Gender | passengerID |

Seats Booking:

For Booking Seats user has to provide the Boarding Point (from), Destination Point (To), and Journey Date (YYYY-MM-DD) format. If any of the details are not in correct format then it will give an error. User needs to select only one bus to proceed for further booking else, it will not work and will give an error. User need to enter his age at the time booking in between 1 and 99 or else it will not take a booking from that user.

From:- Lucknow To:-Gonda Date:-2022-11-30