**BUS TICKETING SYSTEM**

**LOGIN**

|  |  |  |
| --- | --- | --- |
| Username | Password | Recovery question |
| Harini | 123 | Favourite Teacher |

**BUS DETAILS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bus no. | Bus name | Source | Destination | Route number | Capacity | Male passengers | Female passengers |
| 1 | A | Chennai | Coimbatore | 5 | 50 | 25 | 25 |

Primary key: Bus no

Foreign key: Route number

**ROUTE TABLE**

[Assuming that the bus travels through only 7 intermediate destinations before the actual final destination]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Route no. | Start | Destination1 | Destination2 | Destination3 | Destination5 | Destination6 | Destination7 | Destination8 | Destination(final) |
| 5 | Chennai | Arakonam | Katpadi | Jolarpet | Salem | Erode | Tirupur | Perambur | Coimbatore |

Primary key: Route no.(Used as foreign key in BUS DETAILS table)

**BUS INFO**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bus no | Driver name | Driver contact number | Route no | Insurance no | Category | Number of seats/berth | Extra facilities |
| 1 | Mr.A | 9886454798 | 5 | 456875d | Sleeper | 50 | AC |

Foreign keys: Route no (ROUTE TABLE) and Bus no (BUS DETAILS)

**CUSTOMER**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Aadhar no. | Age | DOB | Gender | From | To | Contact no. | Email id | Seat no. |
| A | 123454 | 19 | 23-4-1999 | Female | Chennai | Salem | 9874769980 | [a@g.com](mailto:a@g.com) | 2 |

Primary key: Aadhar no.

Foreign key: Seat number (SEAT)

**TICKET**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cust name | Bus no | Route no | Source | Destination | Rate | Distance | Payment ID | Date of journey | Ticket no. |
| A | 1 | 5 | Chennai | Salem | 500 | 400km | 12344 | 2/11/18 | 6758 |

Primary key: Ticket no.

**DISTANCE**

|  |  |  |  |
| --- | --- | --- | --- |
| Source | Destination | Distance | Rate |
| Chennai | Salem | 400 | 500 |

Unique key: Rate

**SEATS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Seat number | Availability | Cust name | Gender | Payment ID |
| 1 | Available |  | Null | Null |
| 2 | Not available | A | Male | A7GGK09 |
| 3 | Not available | A | Female | A7GGK09 |
|  |  |  |  |  |

Primary key: Seat no.

Foreign key: Payment ID

**PAYMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| Aadhar no. | Payment id | No. of seats booked | Date of journey |
|  |  |  |  |

Primary key: Payment ID

Foreign key: Aadhar no.