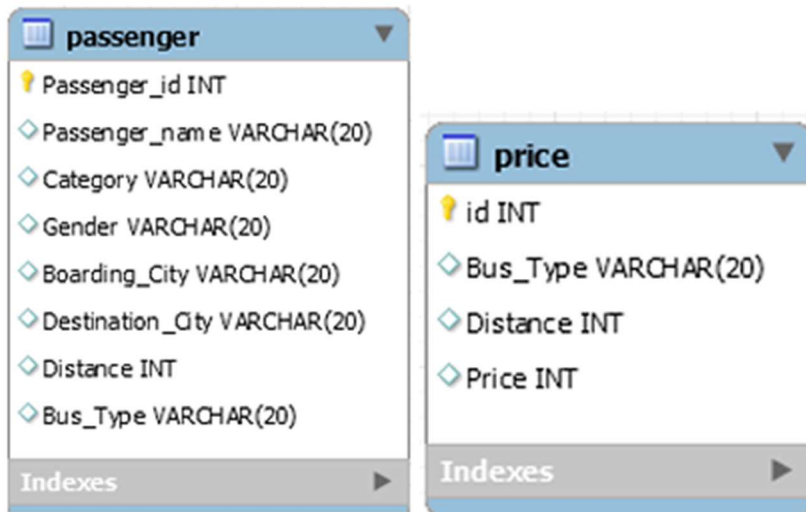# Travego Travellers

Introduction

Let's assume that you have to keep the record of the passengers and price to travel between two cities by bus, for types (Sitting and Sleeper).

The focus of this project is to learn to write different types of SQL statements to insert and retrieve data from a database. For database storage, we will use MySQL, in which DDL, DML, DCL, Joins, Subqueries commands.

Program Organization

The simple program is structured in various layers.

1. To give an insight we have two tables: Passenger and Price.

2. Sample data for the **Passenger** table:

id	Passenger_name	Category	Gender	Boarding_City	Destination_City	Distance	Bus_Type
1	Sejal	AC	F	Bengaluru	Chennai	350	Sleeper
2	Anmol	Non-AC	M	Mumbai	Hyderabad	700	Sitting
3	Pallavi	AC	F	Panaji	Bengaluru	600	Sleeper
4	Khusboo	AC	F	Chennai	Mumbai	1500	Sleeper
5	Udit	Non-AC	M	Trivandrum	Panaji	1000	Sleeper
6	Ankur	AC	M	Nagpur	Hyderabad	500	Sitting
7	Hemant	Non-AC	M	Panaji	Mumbai	700	Sleeper
8	Manish	Non-AC	M	Hyderabad	Bengaluru	500	Sitting
9	Piyush	AC	M	Pune	Nagpur	700	Sitting

Insert the following data in the table **Price**:

id	Bus_type	Distance	Price
1	Sleeper	350	770
2	Sleeper	500	1100
3	Sleeper	600	1320
4	Sleeper	700	1540
5	Sleeper	1000	2200
6	Sleeper	1200	2640
7	Sleeper	1500	2700
8	Sitting	500	620
9	Sitting	600	744
10	Sitting	700	868
11	Sitting	1000	1240
12	Sitting	1200	1488
13	Sitting	1500	1860

Problem Statement

In this project you have to do following activities:
- Create the two tables.
- Insert the data.
- Retrieve data based on the following queries:

Task 1: Creating the Schema and Required Tables
a. Create schema Travego and both tables with appropriate datatypes.
b. Insert data into the newly created tables.

Task 2: SQL Queries

a. How many female passengers traveled a minimum distance of 600 KMs?
b. Display passenger details for distances > 500 and Sleeper bus.
c. Select passenger names starting with 'S'.
d. Show Passenger name, Boarding City, Destination City, Bus type, and Price.
e. Names and ticket price of passengers who traveled 1000 KMs in Sitting bus.
f. Charges for Pallavi (Sitting and Sleeper) from Bangalore to Panaji.
g. Alter Category to 'Non-AC' where Bus Type is Sleeper.
h. Delete entry for Piyush.
i. Truncate Passenger table and comment on row count.
j. Delete Passenger table.