

Bus Management System

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▪ About Project

Bus Booking System project is developed using **Java**, **Swing** with the help of **MySQL** database. Talking about the project, it is a system software that has all the essential features required for the bus bookings. This project contains only the admin side where he/she can manage passengers, buses, routes, seats, bookings and much more. The Admin plays the main role in the management of the system. In this project, all the main functions are performed from the Admin side.

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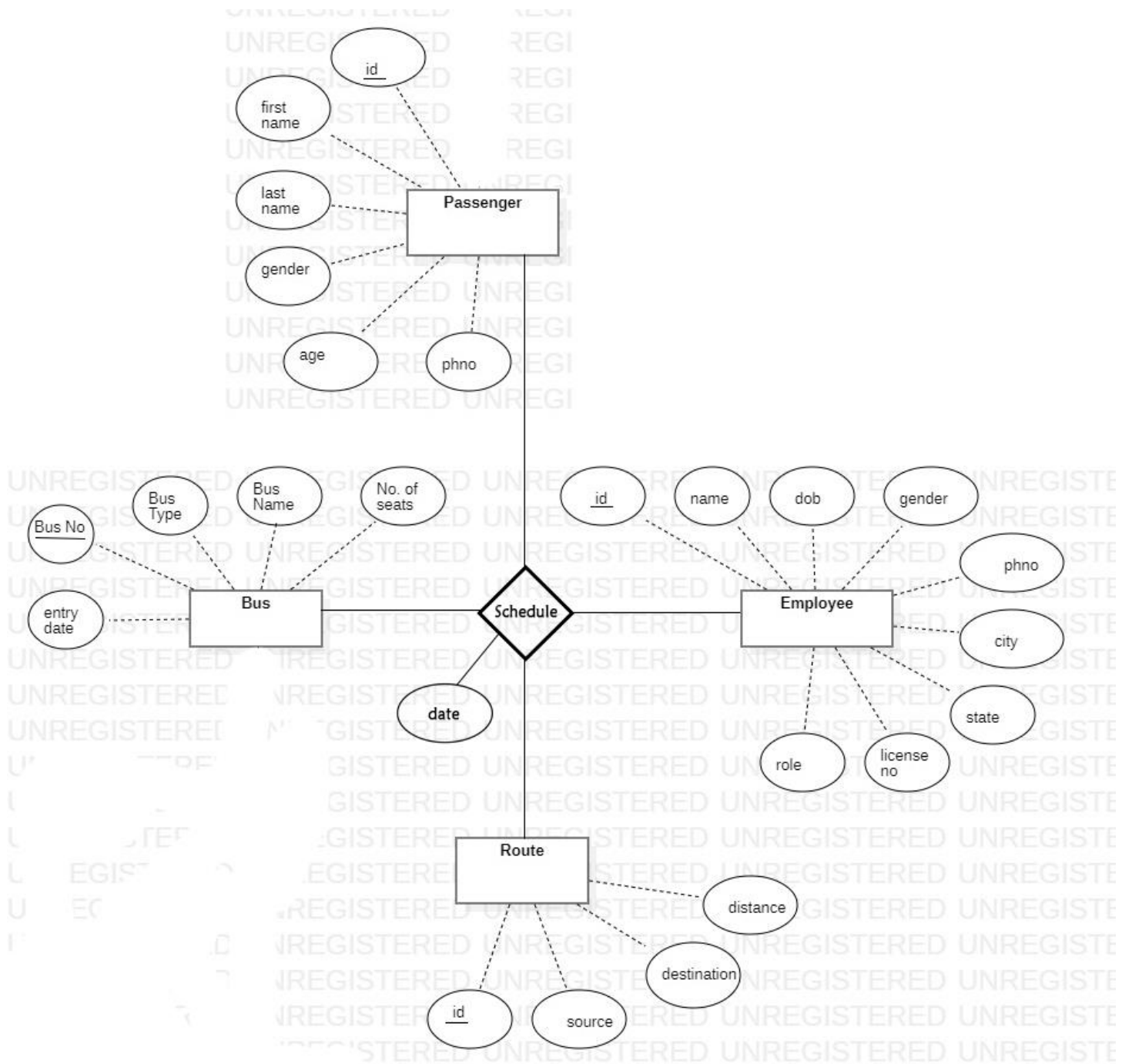
Admin has full control of the system, all the main functions are to be performed from Admin panel. Here, the admin can view passengers and add them. Passenger's information such as ID, Full name, age, gender and phone number is included in this section. For bus bookings, he/she has to provide the departure date, source and destination and the Admin will book the bus seat based on that. The system will also generate a ticket for each passenger. Buses and Seats are also added using the system. The user has to provide the bus number, bus name, bus type and total number of seats in order to add bus.

Another feature of Bus management system is Routes details. To add a route detail he/she has to provide source name, destination name and distance between them. The admin can view summary reports such as availability reports, routes, status, booking reports, customers, and seat report.

The system keeps track of all employees working i.e. Drivers and Conductors. Employee information such as license number, name, address, date of birth, phone number is included in this section. The Admin can add buses to schedule on daily basis i.e. assign buses on a particular route on a particular day at a particular time, and also assign the driver and conductor respectively.

To run this project you must have installed virtual server i.e. **XAMPP** on your pc (for Windows).

Entity Relationship Diagram



Use case Diagram

