

Case Study

The Bus Company & Routes

- A country bus company owns a number of **buses**. A bus is characterized by **number**, **No. of Chairs**, **Options** (AC, Automatic, PS), and **brand-name**.
- Each bus is allocated to a **particular route**, although some routes may have several buses. Each route is described by **Distance(KM)**, **start point**, **end point**, and the **duration**.

Towns

- Each route can pass through a number of **towns**.
- A town may be situated along several routes. We keep track of **unique name** and **station names**.

Drivers & Allocation

- One or more **drivers** are allocated to one route. The system keeps information about the **driver name**, **mobile number**, **hire date**, **basic salary**, and **job grade**.
- The system keeps information about any **changes in the allocations** of the drivers to the routes and the **last route assigned** to each driver.