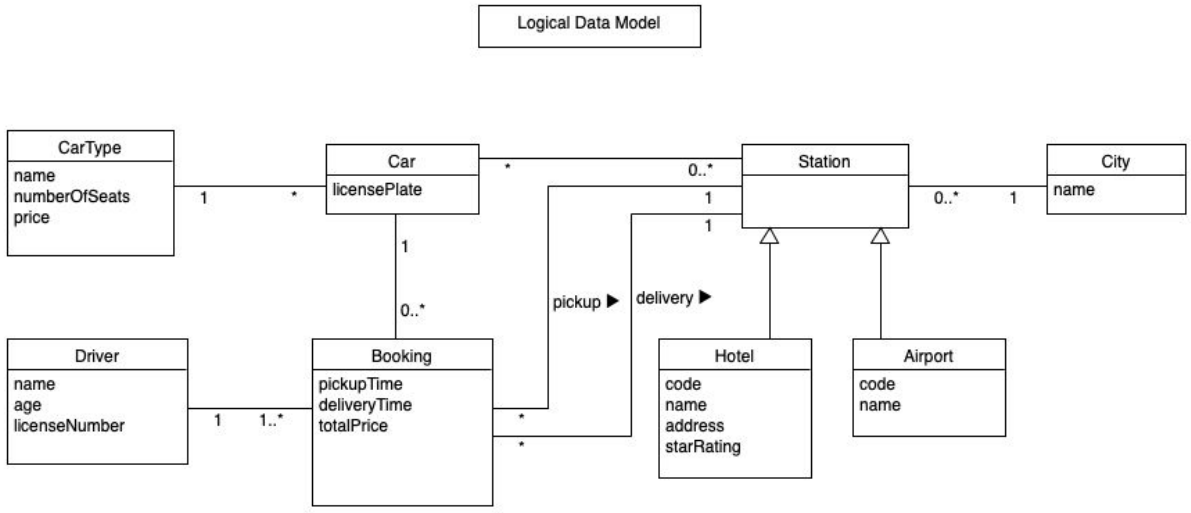
Logical Data Model

Group Three - Case II



The model above represents the Logical Data Model of *"Faraday car rental booking system"*. Within our group we have extracted several persistent entities and represented their relations with multiplicities. In the following paragraph we are going to add some textual walk-through behind it.

Car - *licensePlate* attribute would identify a car. Then a car could have 1 **CarType**, which defines the type name (ex: A, B, etc), number of seats and price. On the other hand, a CarType could have none to many cars. A car could be picked up and delivered on a **Station**. A Station is related to a **City**, which has a name and would be either a **Hotel** or an **Airport**. A Station functions both as a *pickup* or *delivery* - details regarding a booking. A Booking is also related to Station in the sense that a booking cannot exist without a pickup and drop off location and it is 1 to 2 stations because the car can be delivered either in the same or different stations. Our final entity is **Driver**, which represents the driver or the employee making the booking on behalf of the driver.