



KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY KHULNA

Department of
ELECTRONICS and COMMUNICATION ENGINEERING

Course Title : Database System Laboratory

Course No : CSE 3210

Report on : Auto Insurance Management System

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❖ Introduction :

A database is an organized collection of structured information, or data, typically stored electronically in a computer system. A database is usually controlled by a database management system (DBMS).

Auto insurance is a contract between vehicle's owner and the insurance company that protects him against financial loss in the event of an accident or theft. In exchange for his paying a premium, the insurance company agrees to pay him losses as outlined in his policy.

The objective of this Database Management System (DBMS) project is to design and develop a comprehensive Auto Insurance System that will improve the insurance data management process.

❖ Features:

The key features (only related to Database Management System) of the Auto Insurance Management System Project are:

- The DBMS will efficiently store and retrieve vast amounts of data related to auto insurance including information of vehicles, vehicle's owners, accident details, damage amounts.
- Authorized user can update the damage amount for car with specific registration number in the accident with report number.
- Can find the total number of people who owned car that were involved in accidents in a particular year.
- Can find the number of accidents in which cars are belongs to a specific model were involved.

❖ The ER Diagram:

The first step in the development of the Auto Insurance System is to prepare the ER diagram that will serve as the basis later on in the creation of the actual database. We will create and explain the process of making the entity relationship diagram of Auto Insurance System. Let's start from the symbols used in the ER Diagram.

- Entity is represented by the rectangle shape.
- Attribute is represented by the oval shape.
- Relationship is represented by diamond shape.
- Primary keys have underlines

We will follow the 3 basic rules in creating the ER Diagram.

1. Identify all the entities.
2. Identify the relationship between entities.
3. Add meaningful attributes to our entities.

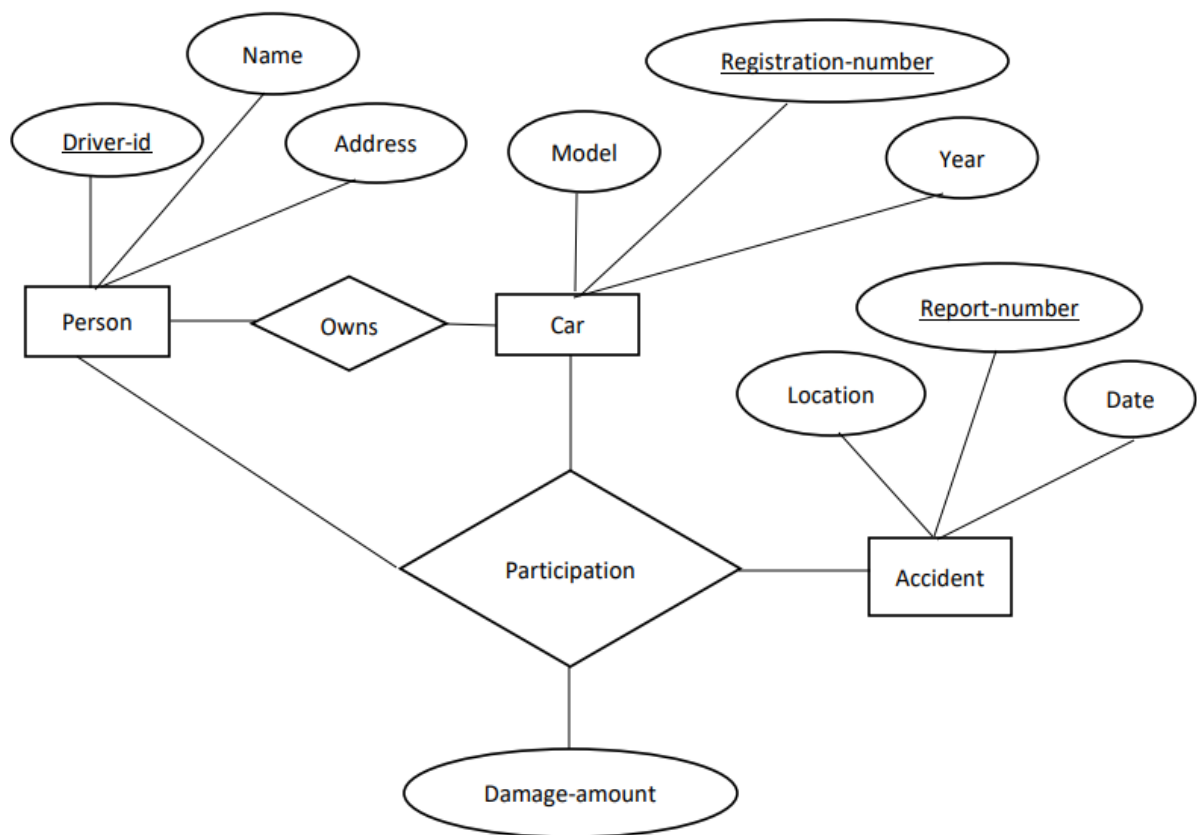


Figure 1 : ER diagram of Auto Insurance System

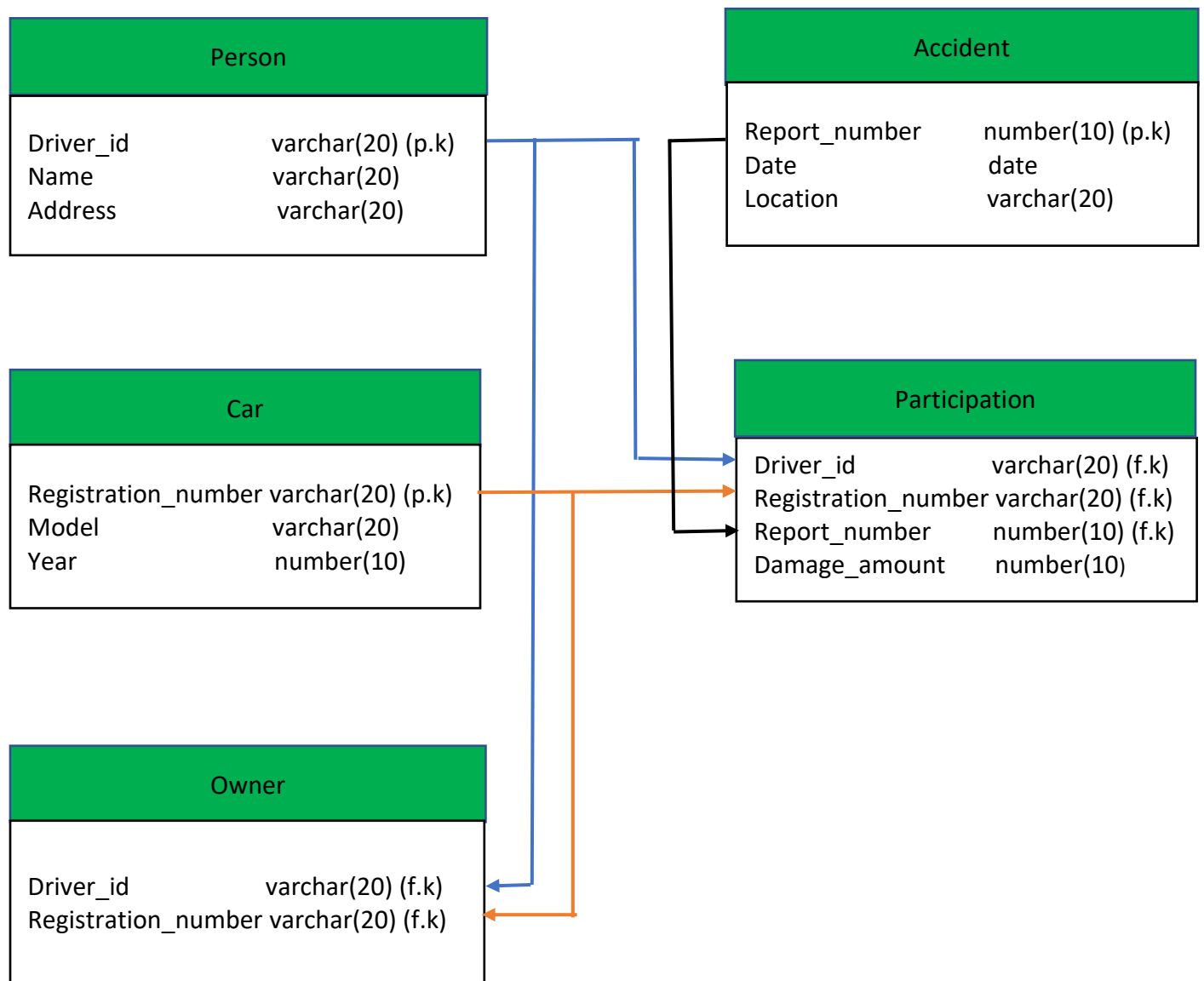


Figure 2 : Schema diagram of Auto Insurance System