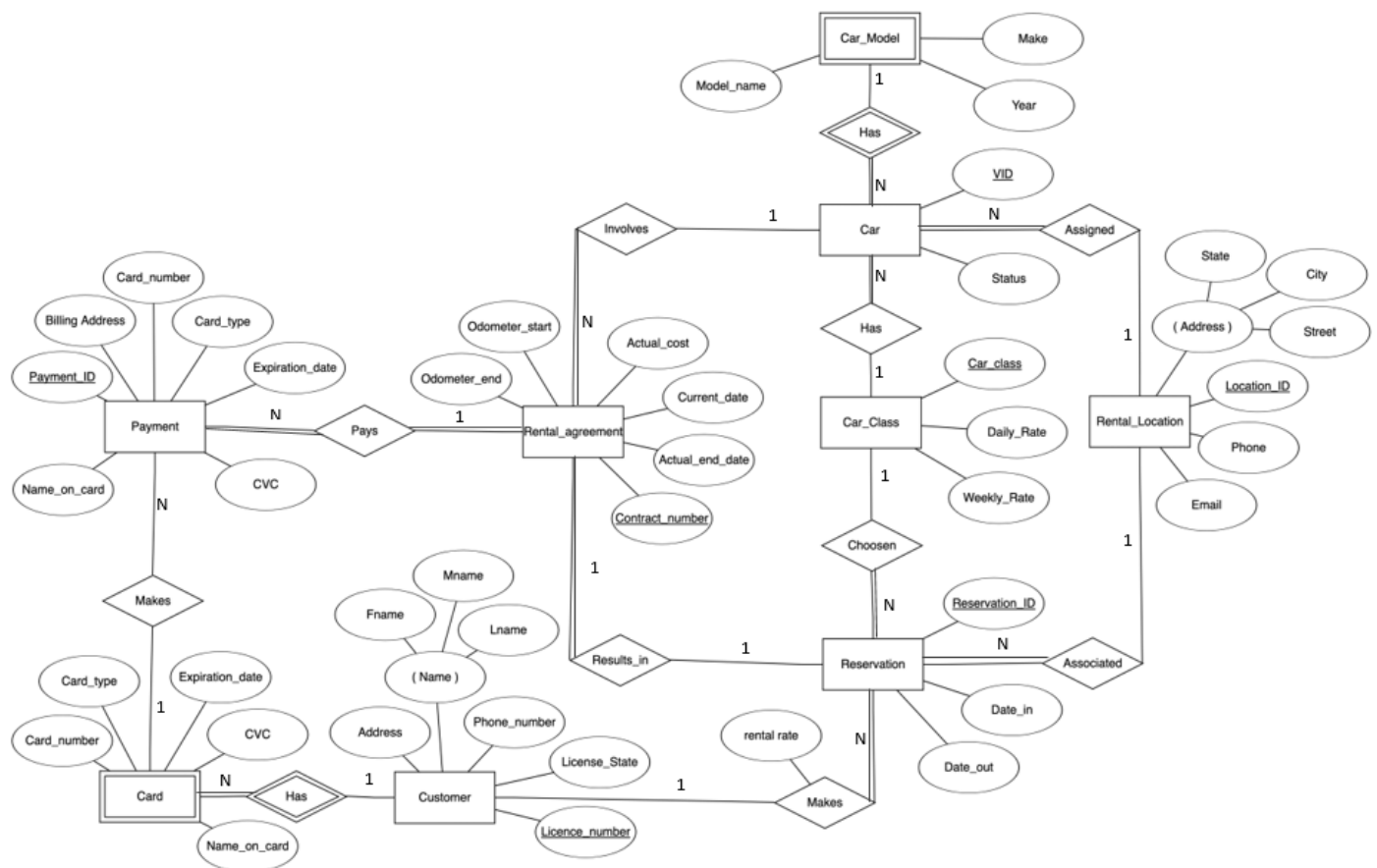


## 2.2 Entity Relationship Model for The Conceptual Design

An entity–relationship model is the result of systematic analysis to define and describe what is important to processes in an area of a business. Entities are the things we need to store our data. It's an aspect of the business that needs to store data, such as in our case car model, rental agreement, rental location, customer etc.

An entity relationship diagram gives a snapshot of how these entities relate to each other. You could call it the blueprint that underpins your business architecture, offering a visual representation of the relationships between different sets of data.



## 2.3 Relational Schema Design for The Logical Design

The term "schema" refers to the organization of data as a blueprint of how the database is constructed. The formal definition of a database schema is a set of formulas called integrity constraints imposed on a database. A relational schema shows references among fields in the database. When a primary key is referenced in another table in the database, it is called a foreign key. This is denoted by an arrow with the head pointing at the referenced key attribute. A schema diagram helps organize values in the database. The following diagram shows the schema diagram for the database.

