

For each CUSTOMER, the database maintains information on that customer's Name [Cname] (composed of the first name [Cfname] and last name [CLname]), Driver's License Number [License], Address [Address], Phone Number [Phone], and birth date [Bdate]. A CUSTOMER makes transactions to [RENT] a VEHICLE.

An EMPLOYEE has the attributes Name [Ename], (composed of the first name [EFname] and last name [ELname]), Position [Position], and Social Security Number [Ssn]. An EMPLOYEE [WORKS\_AT] at a specific BRANCH of the rental service. Some EMPLOYEES, who have the position of manager, [MANAGES] just one BRANCH.

A VEHICLE has the attributes Vehicle Identification Number [Vin], Make [Make], Model [Model], cost [Vcost], and the multivalued Damages related to it [Damages]. VEHICLES are related to the BRANCH they belong to through the [BELONGS\_TO] relationship. Three *subclasses* of the VEHICLE entity type are identified: CAR with attributes number of doors [No\_doors] and type of fuel [Fuel], TRUCK with attributes Towing capacity [Towing\_capacity] and Bed length [Bed\_length], and MOTORCYCLE with attributes horsepower [Horsepower] and number of wheels [No\_wheels].

A RENTAL\_CONTRACT has the attributes Contract ID [RCid], start date [Start] and end date [End]. Each RENTAL\_CONTRACT is associated with the CUSTOMER and VEHICLE to which they [RENT]. Each RENTAL\_CONTRACT is handled [HANDLES] by just one EMPLOYEE.

A BRANCH has the attributes Branch ID [Bid], Location [Location], and Phone Number [Bphone].

SERVICES has the attributes Service number [Snumber], Type of Service [Type], and costs [Scost]. Since vehicles have to have scheduled services, the [SCHEDULED] relationship connects SERVICES to VEHICLE.

INSURANCE has the attributes cost [Cost], policy number [Policy\_no], and the agreement statement [Agreement]. INSURANCE is offered to a customer who [RENTS] a VEHICLE.