**Mapping of ERD Diagram**

**Car** **(**Car\_ID, Borrower\_ID, Department\_ID, Color, Manufacture company, Engine capacity, Horsepower, Maximum speed, Transmission Type, Year, Fuel, Trunk Size, Seats, Traction Type, Fuel tank capacity, Number of cylinders, Price, Rental Points**)**

**Borrower (**Borrower\_ID, Name, Gender, Age, National ID, Phone number, Email, Password, Username, City, Country, Nationality)

**Employee (**Employee\_ID, Department\_ID, Name, Gender, Age, Email, Username, Password, City, Country, Nationality, Address, Salary, Banking information, Graduation state**)**

**Department (**Department\_ID, Name, Location, Start Date , ManagerID**)**

**Make (**manufacture company, origin country, Agent**)**

**Reservation (**Reservation\_ID, borrower\_ID, Car\_ID, Department\_ID**)**

**1.**A Car is described by a Car\_ID (unique), Borrower\_ID (unique within Borrower), Department\_ID (unique within Department), color, manufacture company (unique within make), engine capacity, horsepower, maximum speed, transmission type, year, fuel, trunk size, seats, traction type, fuel tank capacity, Number of cylinders, Price, Rental Points.

2.A Borrower is described by a number (unique), name, gender, National ID, Phone number, Email, Password, Username, City, Country, Nationality

3.A Employee described by a number (unique), Name, Gender, Age, Email, Username, Password, City, Country, Nationality, Address, Salary, Banking information, Graduation state and department number(unique within department) and each department has department number (unique), name, location, start date.

4. Make is the company that build cars it described by a manufacture company (unique), origin country, agent

5. each employee works in a department and there are some employees that manage departments and the borrower can do reservation of car which is controlled by some departments.