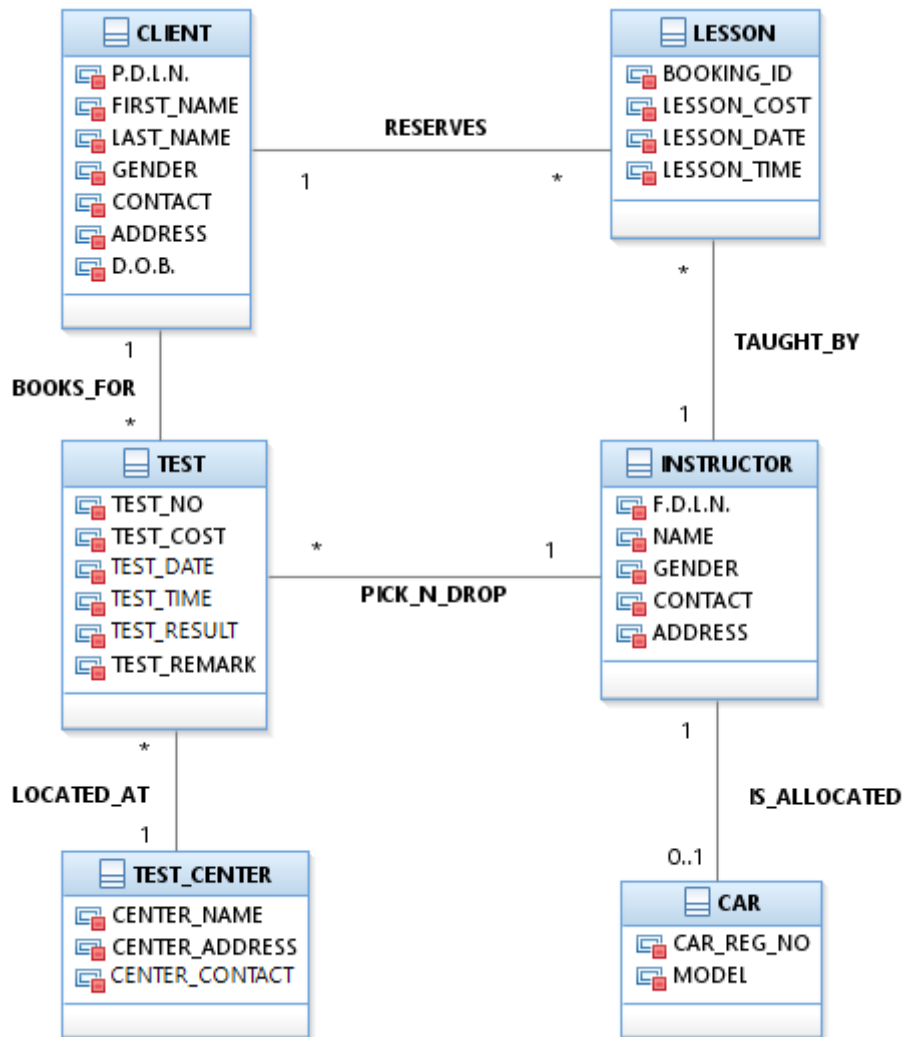# DATABASE FOR A LOCAL DRIVING SCHOOL

- EER DIAGRAM for CONCEPTUAL MODEL



Points to Note -

F.D.L.N. – Full Driving License Number
P.D.L.N. – Provisional Driving License Number
CAR_REG_NO – Car Registration Number
TEST_NO – Test Number

- ASSUMPTIONS FOR THE ABOVE MODEL –

  - Each client has a Unique Provisional Driving License Number (P.D.L.N.).
  - Each lesson booked for driving has a unique Booking ID.
  - Each instructor has a unique Full Driving License Number (F.D.L.N.).
  - Each Test has a unique Test Number allotted.
  - Each car has a unique Registration Number.
  - A client can book lessons multiple times.
  - An instructor can teach a particular lesson multiple times.
  - An instructor can pick and drop a client multiple times before and after the test.
  - A booking for the driving lesson is for a single client.
  - One instructor is allocated per Booking.
  - An instructor is allocated only one car at a time.
  - A car can either be allocated to one person at a time, or there are chances that it will "not" be functional.
  - For a particular test, only one instructor can pick and drop the client.
  - A Driving test has a single Test Centre location.
  - A Driving test is for a single client at a time.
  - In a Real-world scenario, a Lesson Table would require the cost, date and time of the lesson to be added.
  - A Test Table would have cost, date and time of the test added as well.
  - Result and Remark for the test can be clubbed into the Test Table.


- Relational Schema based on the Conceptual Model –

  - CLIENT (P.D.L.N., FIRST_NAME, LAST_NAME, GENDER, CONTACT, ADDRESS, D.O.B)
  - LESSON (BOOKING ID, LESSON_COST, LESSON_DATE, LESSON_TIME, *P.D.L.N., F.D.L.N.*)
  - INSTRUCTOR (F.D.L.N., NAME, GENDER, CONTACT, ADDRESS, *CAR_REG_NO*)
  - TEST (TEST NO, TEST_COST, TEST_DATE, TEST_TIME, TEST_RESULT, TEST_REMARK, *P.D.L.N., F.D.L.N., CENTER_NAME*)
  - TEST_CENTER (CENTER NAME, CENTER_ADDRESS, CENTER_CONTACT)
  - CAR (CAR REG NO, MODEL)


  Points to Note -

  PRIMARY KEY

  *FOREIGN KEY*