Ain Shams University

Faculty of Engineering

Computer Engineering and Software Systems

CSE 227: Database Systems (1) – Fall 2018

A S S I G N M E N T   2

Consider a racing league wants a database to keep track of teams, drivers, races and scores in the league. The league is run for teams, which are identified by their names. Each team has one or more drivers signed up, and each driver is registered with the league and has a unique league licence number. First and last names of the drivers should also be included in addition to his contact phones, emails, address, and national ID. A driver may only participate for a single team throughout the season. Races are identified simply by the dates when they are run. For each race, the league also wants to store the venue where it took place. Drivers participate in races, and for each participating driver the database should store the total race time for that driver, and the league score they got from that race.

a. Sketch the ER diagram that models this system, provide your assumptions.
b. Use the ER diagram in part (A) to provide the physical database design for this system