DBS201 Lab 7: Entity Relationships and the Final ERD

**How to Submit: Demonstration in Class only (check the deadline from course agenda and policies, late penalty 100%). Answers/Solutions could be in clear hand written or in electronic format.**

Prepare an Entity Relationship Diagram for the narrative described in the following paragraph. For each entity show the primary key as an underlined attribute.

Identify relationships, show the connectivity (type) of the relationship: either one-to-one or one-to-many. If there is many-to-many relationship, it needs to be resolved with the Bridge (Intersection) entity and you will create a composite primary key for that bridge.

*We will observe the Baseball League for professional players. The league has teams and each team is made of many players and can have several coaches.*

*A player may play for only one team (otherwise a clear conflict of interest), but might be without team as well.*

*A team has several coaches and a coach may coach only one team, but might not coach at all.*

*A team plays many games and a game is played by always exactly 2 teams.*

*A coach coaches many players and a player is coached by many coaches (e.g. pitching coach, batting coach, head coach, etc.)*

*A player is always represented by only one agent.*

*An agent may represent many players, but also be without clients.*

**To do:**

1. Draw or Print the **Final ERD** using **Crow’s Foot** notation.
2. Clearly indicate **PK attributes** (underlined) **and FK attributes** (FK) in each entity box.
3. Also show the **Participation** (Optionality) for each relationship side by using International Notation (vertical bar or small circle).

On the top of your paper Include your Last and First name and Section letter as well.