**PirMehr Ali Shah Arid Agriculture University Rawalpindi**

**University Institute of Information Technology**

**Quiz #2**

**BSIT 6**

**Evening**

**Spring 2023**

**Question#1**

Draw a UML Class Diagram representing the following elements from the problem domain for a hockey league. A hockey league is made up of at least four hockey teams. Each hockey team is composed of six to twelve players, and one player captains the team.

A team has a name and a record. Players have a number and a position. Hockey teams play games against each other. Each game has a score and a location. Teams are sometimes lead by a coach. A coach has a level of accreditation and a number of years of experience, and can coach multiple teams. Coaches and players are people, and people have names and addresses.

Draw a ***class diagram*** for this information, and be sure to label all associations with appropriate multiplicities?



Notes: captain could alternatively be represented as a second, named association

between player and team.

Assumptions: each player only plays on one team, each captain only captains one

team, each team only plays in one league.