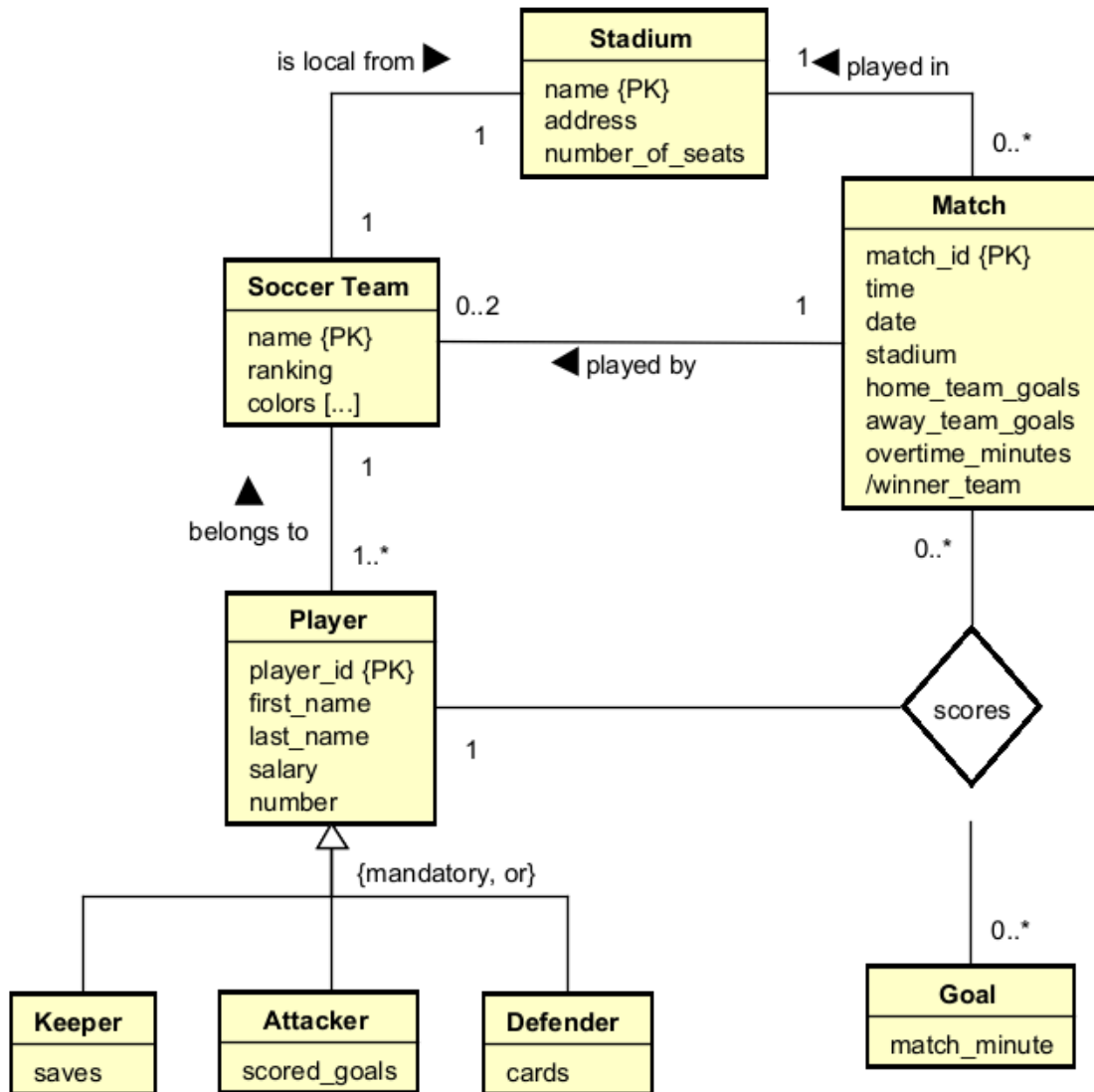


# Exercise 1

## EER



## Strong Entities

Stadium (name, address, number\_of\_seats)

PK: name

## Weak Entities

Keeper (player\_id, first\_name, last\_name, salary, number, team, saves)

PK: player\_id

FK: Soccer Team(team)

Attacker (player\_id, first\_name, last\_name, salary, number, team, scored\_goals)

PK: player\_id

FK: Soccer Team(team)

Defender (player\_id, first\_name, last\_name, salary, number, team, cards)

PK: player\_id

FK: Soccer Team(team)

Match (match\_id, time, date, stadium, home\_team\_goals, away\_team\_goals, overtime\_minutes, home\_team, away\_team, /winner\_team)

PK: match\_id

FK: stadium, home\_team, away\_team

Derived: winner\_team

Soccer Team (name, ranking, colors, home\_field)

PK: name

FK: home\_field

Goal (goal\_id, date, time, match\_minute, player\_id)

PPK: goal\_id

FK: player\_id

MatchScored (goal\_id, match\_id)

PPK: goal\_id, match\_id

FK: goal\_id, match\_id

# GRD

