Lab 2 COE848 - Entity-Relation Diagram Design

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Entities include: Players, Teams, Profile, Stats, Awards/Accolades

Players have various attributes about them, such as their Name, which uniquely identifies them, their age, team they play on, and country they're from. Players have relationships with other entities.

All players "possess" a unique physical profile, this is described as a relationship. The profile entity details a player's position that they play, their weight, wingspan, height.

All Players also "play on" a specific team, where each team has multiple players (hence the many-to-one cardinality) . The team's entity contains attributes such as the name of the team, schedule, conference, record, as well as the wins & losses of the team.

Players can accumulate stats throughout the season, where all stats are recorded. All players stats are recorded, such as the PPG, APG, RPG, 3PT Make %. Additionally, Stats may result in Awards/Accolades, of which players can earn. Attributes of the Awards entity include MVP count of players, The # of championships they have won, the number of All-Star Nominees they have, and their name. These entities & relationships are described in the diagram below.