

## NFL Database Project Proposal

Database based on the NFL. The NFL is made up of many different Players/Head Coaches who play/coach for specific teams, play multiple positions or a single specialized position on the team. Teams are put into divisions.

Attributes in red are supplementary depending on how many attributes are needed for entities

### Entities:

- Personnel: Players- Names, age(birthdate), year drafted, **Previous Schools, Years played/coached, Salary (if possible to find information)**, Captain of the team (would be a boolean)
- Teams – Different organizations made up of multiple players/one head coach, name, **current record, super bowls won, date founded**
- Positions – Football contains many positions which are played by players. Head Coach would be the head coach
- Divisions – Make up multiple teams

### Relationships:

- Players usually play multiple similar positions (linebackers, secondary defense, receiver type/running back mix) or specialize (quarterback, center, kicker), coach is head coach. This will be our many to many relationship as there are many positions played by many players, and many players play the same positions within and across teams/divisions
- Teams are made up of players and a head coach
- Divisions contain multiple teams (One-to-Many Relationship) but a team can only belong to one division
- Players are subordinate to captains on a team (who are also players) and to the head coach. (Many-to-one Relationship)

Links that we will use as reference:

List of 2017 team captains:

[https://en.wikipedia.org/wiki/National\\_Football\\_League\\_team\\_captains](https://en.wikipedia.org/wiki/National_Football_League_team_captains)

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List of NFL players by position in 2017 by team roster:

<http://www.nfl.com/players/search?category=team&playerType=current>

Also included on NFL.com are Teams listed in divisions although this can be found in many places