Final Project Description

My database will represent the NHL from last season. My entities will include:

1. Players
2. Teams
3. Games
4. Goalies
5. Arenas
6. Awards
7. General Managers
8. Coaches

The primary purpose of my database would be record keeping for the entire season.

Five Major Questions

1. Who were the highest scoring players from the 2018-19 season?
2. Who won each award?
3. What players were traded the most?
4. How many goals were scored per game?
5. What teams won the most games in a certain month?

Business Rules

* Players can play on multiple teams
* Each game has a pair of teams, home team and visiting team
* Each team belongs to a division which is part of a conference
* Each team plays 82 games and can have as many players as they want
* Each team has to have ONE home arena

Relationships

* Players : Teams (m:n)
* Goalies : Teams (m:n)
* Coach : Team (m:n)
* General Manager : Team (m:n)
* Teams : Divisions (1:m)
* Divisions : Conferences (1:m)
* Awards : Players (1:m)
* Awards : Coach (1:1)
* Awards : General Managers (1:1)
* Awards : Teams (1:m)
* Arenas : Teams (1:1)
* Games : Arenas (1:m)

Junction Tables not included

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| **Players** |
| player\_id |
| name |
| age |
| position |
| games\_played |
| goals |
| assists |
| points |
| plus\_minus |
| shooting\_percentage |
| time\_on\_ice |
| blocks |
| hits |
| faceoffs\_won |
| faceoffs\_lost |

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| **Teams** |
| team\_id |
| name |
| division |
| arena |
| wins |
| losses |
| overtime\_wins |

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| **Games** |
| game\_id |
| game\_date |
| visitor\_team |
| visitor\_goal\_total |
| home\_team |
| home\_goal\_total |
| type\_of\_win |
| attendance |
| len\_of\_game |
| arena |

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| **Goalies** |
| goalie\_id |
| name |
| age |
| games\_played |
| save\_percentage |
| goals\_saved\_above\_average |

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| **Arena** |
| arena\_id |
| name |

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| **Conference** |
| conference\_id |
| name |

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| **General\_Managers** |
| general\_manager\_id |
| name |

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| **Coaches** |
| coach\_id |
| name |