**John Devan Fergusons NHL Database Dictionary**

This database will feature many different features of the NHL. It will track the players currently active on an NHL roster, their coach, and general manager, and a handful of referees from the NHL. The players will be associated to their teams, along with the coaches. The cities will have a relationship to the countries, as well as the teams, and people. The different type categories will cover the countries, cities, league, and position (for person position on team). The code types will cover all of the underlying relations. There will be a generic stats table, which will link to the players and have random goal/assist inserts for all. There will be a few views, all of which will be commented out at the bottom of the DML file.

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| **Table:** typecategory | | |
| **Description:** Types of data sorting categories | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| Categorydescription | CHARVAR(100) | NOT NULL |
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| **Table:** codetype | | |
| **Description:** Typecategory descriptions | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| Categorydescription | CHARVAR(100) | NOT NULL |
| Typecategoryid | Bigint | REFERENCES typecategory(id) |
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| **Table:** Coderelationship | | |
| **Description:** relationship between codetypes | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key UNIQUE (parentid, childid) |
| Parentid | BIGINT | REFERENCES codetype(id) |
| Childid | BIGINT | REFERENCES codetype(id) |
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| **Table:** team | | |
| **Description:** A list of teams from the NHL and AHL | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| Name | CHARVAR(100) | NOT NULL |
| Cityid | Bigint | References codetype(id) |
| Countryid | Bigint | References codetype(id) |
| Leagueid | Bigint | References codetype(id) |
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| **Table:** Person | | |
| **Description:** List of players, management and refs | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| Firstname | CHARVAR(30) | NOT NULL |
| Lastname | CHARVAR(30) | NOT NULL |
| Age | Smallint | CHECK > 0 AND < 100 |
| Countryid | Bigint | REFERENCES codetype(id) |
| Teamid | Bigint | REFERENCES team(id) |
| Positionid | Bigint | REFERENCES codetype(id) |

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| **Table:** Stadium | | |
| **Description:** List of stadiums and the teams that play in them | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| Name | CHARVAR(100) | NOT NULL |
| Cityid | Bigint | REFERENCES codetype(id) |
| Countryid | BIGINT | REFERENCES codetype(id) |
| Capacity | Int | CHECK 0 > and < 100000 |
| Teamid | Bigint | References team(id) |
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| **Table:** Match | | |
| **Description:** A few game dates between two teams | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| Hometeamid | Bigint | References team(id) |
| Awayteamid | Bigint | References team(id) |
| Date | Timestamp |  |
| stadium | bigint | References stadium(id) |
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| **Table:** Stats | | |
| **Description:** A list of goals and assist for player id’s | | |
| **Attribute Name** | **Data Type** | **Constraints** |
| id | BigSerial | Primary Key |
| playerid | Bigint | References person(id) |
| Goals | smallint | CHECK <=50 AND >= 0 |
| assists | Smallint | CHECK <=50 AND >= 0 |
| Gamesplayed | smallint |  |
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