*Logical and Physical models:*

## **Dimension Tables:**

### 1. Dim\_League

| **Attributes** | **Data type** | **Constraints** | **References** |
| --- | --- | --- | --- |
| League\_id | INT | Primary key, Not null | - |
| League\_name | VARCHAR | Not null | - |

### 2. Dim\_Club

| **Attributes** | **Data type** | **Constraints** | **References** |
| --- | --- | --- | --- |
| Club\_id | INT | Primary key, Not null | - |
| League\_id | INT | Foreign key, Not null | League |
| Club\_name | VARCHAR | Not null | - |
| Manager | VARCHAR | - | - |
| Owner | VARCHAR | - | - |

### 3. Dim\_Country

| **Attributes** | **Data type** | **Constraints** | **References** |
| --- | --- | --- | --- |
| Country\_id | INT | Primary key, Not null | - |
| Country\_name | VARCHAR | Not null | - |
| Coach | VARCHAR | - | - |

4. Dim\_MatchType

| **Attributes** | **Data type** | **Constraint** | **References** |
| --- | --- | --- | --- |
| Match type\_id | INT | Primary key, Not null | - |
| Match\_name | VARCHAR | Not null | - |

### 5. Dim\_Player

| **Attribute** | **Data type** | **Constraint** | **References** |
| --- | --- | --- | --- |
| Player\_id | INT | Primary key, Not null | - |
| Player\_name | VARCHAR | Not null | - |
| Club\_id | INT | Foreign key | Club |
| Country\_id | INT | Foreign key | Country |
| Position | VARCHAR | - | - |
| Jersey\_number | INT | - | - |
| DOB | DATE | - | - |
| Nationality | VARCHAR | - | - |

### 6. Dim\_Time

| **Attributes** | **Data type** | **Constraint** | **References** |
| --- | --- | --- | --- |
| Time\_id | INT | Primary key, Not null | - |
| Year | INT | - | - |
| Quarter | INT | - | - |
| Month | INT | - | - |

## **Fact Tables**

### 1. Fact\_Player\_Statistics

| **Attributes** | **Data type** | **Constraint** | **Reference** |
| --- | --- | --- | --- |
| Fact\_id | INT | Primary key, Not null | - |
| Time\_id | INT | Foreign key | Time |
| Match type\_id | INT | Foreign key | Match\_type |
| Player\_id | INT | Foreign key | Player |
| Club\_id | INT | Foreign key | Club |
| Country\_id | INT | Foreign key | Country |
| Appearances | INT | - | - |
| Goals\_scored | INT | - | - |
| Goals\_assist | INT | - | - |
| Total\_shots | INT | - | - |
| Shots\_on\_target | INT | - | - |
| Fouls\_made | INT | - | - |
| Fouls\_suffered | INT | - | - |
| yellow\_card | INT | - | - |
| Red\_card | INT | - | - |
| Golas\_saved | INT | - | - |
| Goals\_conceded | INT | - | - |
| Total\_penalty | INT | - | - |
| Successful\_penalty | INT | - | - |
| Salary | DECIMAL | - | - |

### 2. Fact\_Team\_Statistics

| **Attributes** | **Data type** | **Constraint** | **References** |
| --- | --- | --- | --- |
| Fact\_id | INT | Primary key, Not null | - |
| Time\_id | INT | Foreign key | Time |
| Match type\_id | INT | Foreign key | Match type |
| League\_id | INT | Foreign key | League |
| Club\_id | INT | Foreign key | Club |
| Country\_id | INT | Foreign key | Country |
| Appearances | INT | - | - |
| Wins | INT | - | - |
| Lost | INT | - | - |
| Drawn | INT | - | - |
| Cleansheets | INT | - | - |
| Net\_worth | DECIMAL | - | - |

**EER DIAGRAM:**

Technology used for creation of entity relationship diagram: MySQL workbench

