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Integrity and Security

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**Foreign Keys:** In this database, foreign keys are used in order to have relations between data of entities. Some foreign keys are seen as primary keys within relations.

**Assertions/Triggers:**

**Grant:**

There are three different types of access: Top Administrative, Single Team Administrative, and User. The Top Administrative access will be given to the manager of the database who will maintain all of the database when it comes to maintenance and errors as well as have the access to read, write, delete and edit all data in the database if needed. A representative of each club will be given the Single Team Administrative access where they will be able to access only their respective team and be able to read, write, delete and edit data such (e.g. player information, team information, statistics). Everyone else will go under the User access and will only be given read access as they will be able to access everything data in the database but not be able to create, delete, or edit as to avoid corruption of the data.

GRANT ALL

ON ALL

TO {TOP\_ADMIN}

[WITH GRANT OPTION];

GRANT INSERT, SELECT, DELETE, UPDATE

ON ALL

To {TEAM\_ADMIN};

GRANT SELECT

ON ALL

TO {USER | PUBLIC};