

COMP 3005 Project Report

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1 Conceptual Design

Following the Statsbomb documentation, we stored the events data by event type, with a main event table to store the common attributes of the events.

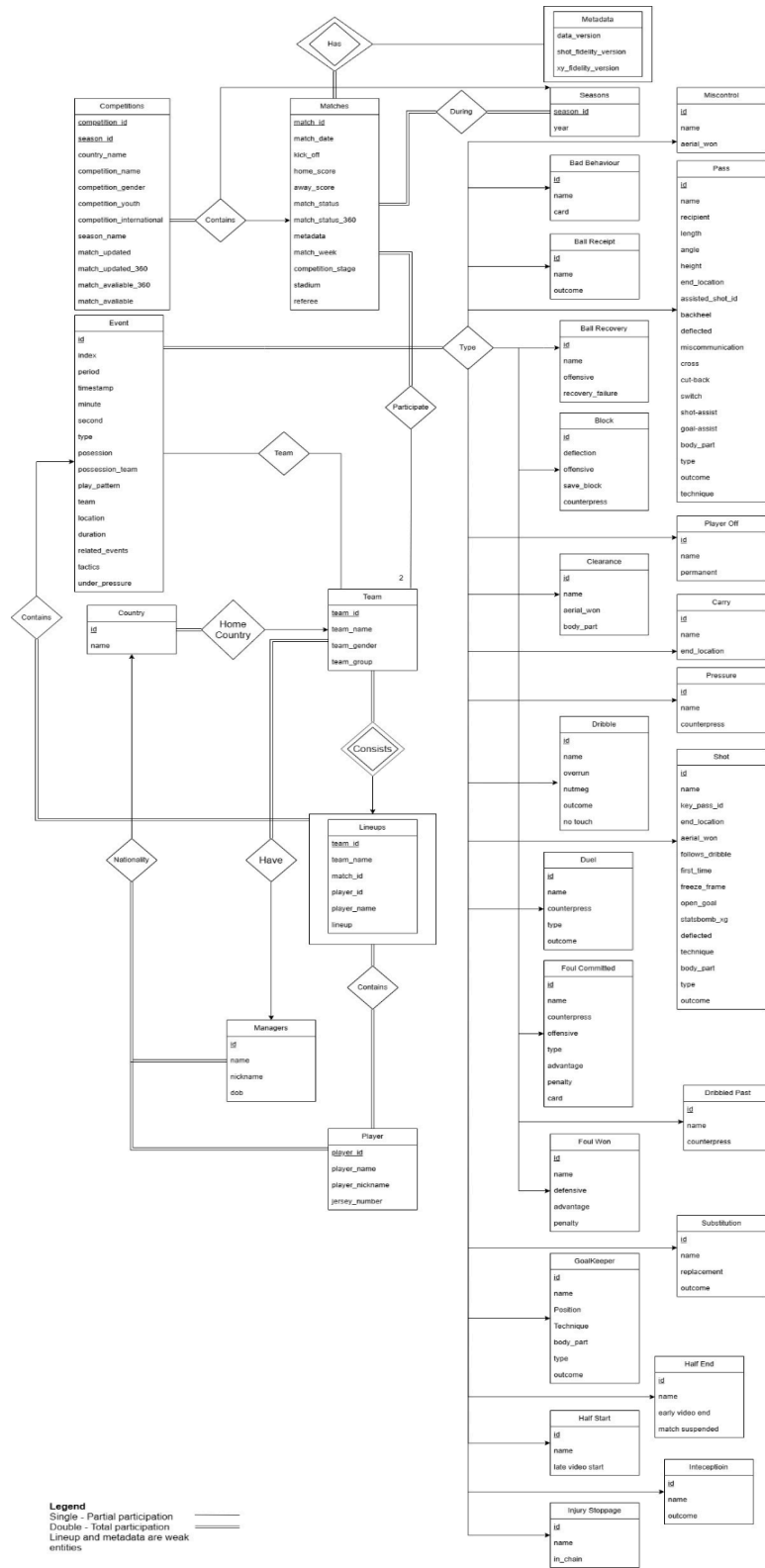
The data from `\open-data\data\matches` is parsed into the competition table, allowing querying attributes related to the matches

We developed a Python program to filter the events related to both La Liga and Premier League in the 2003/2004, 2020/2021, 2019/2020, and 2018/2019 seasons. This significantly reduces the workload of parsing data parsing and the resulting database size.

Events within a match are obtained from the directory `\open-data\data\events`, where each event file corresponds to the match id. All events and matches are uniquely identifiable by its id from the Statsbomb dataset.

We assumed the matches participated in the team and the lineups contain the players.

2 Reduction to Relation Schema



[URL to diagrams](#)

