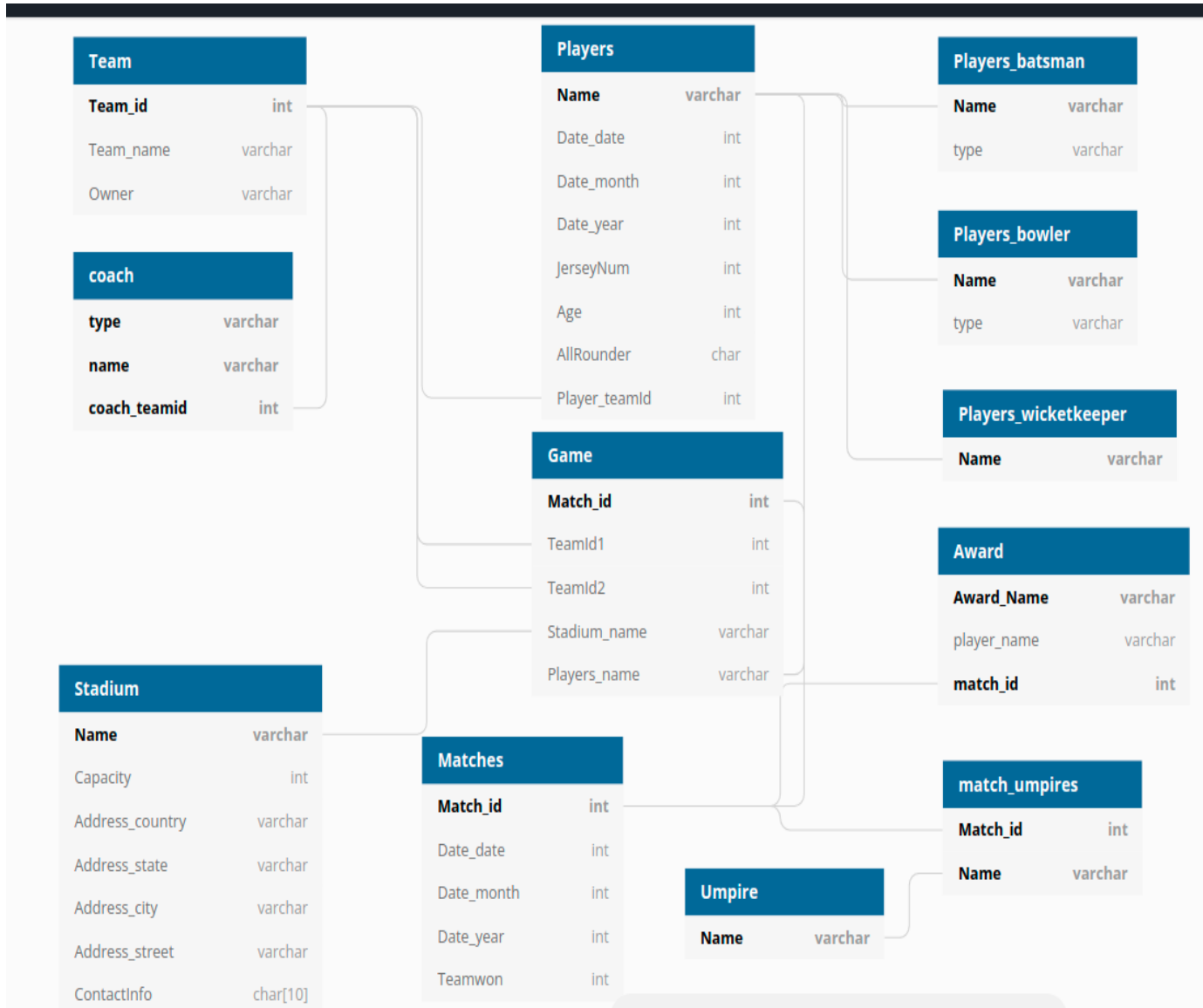


# Project Phase 3

## 1. ER model to Relational DataBase



Link : <https://dbdiagram.io/d/6166ea83940c4c4eec939ce3>

## *Conversion from ER diagram to relation-data model -*

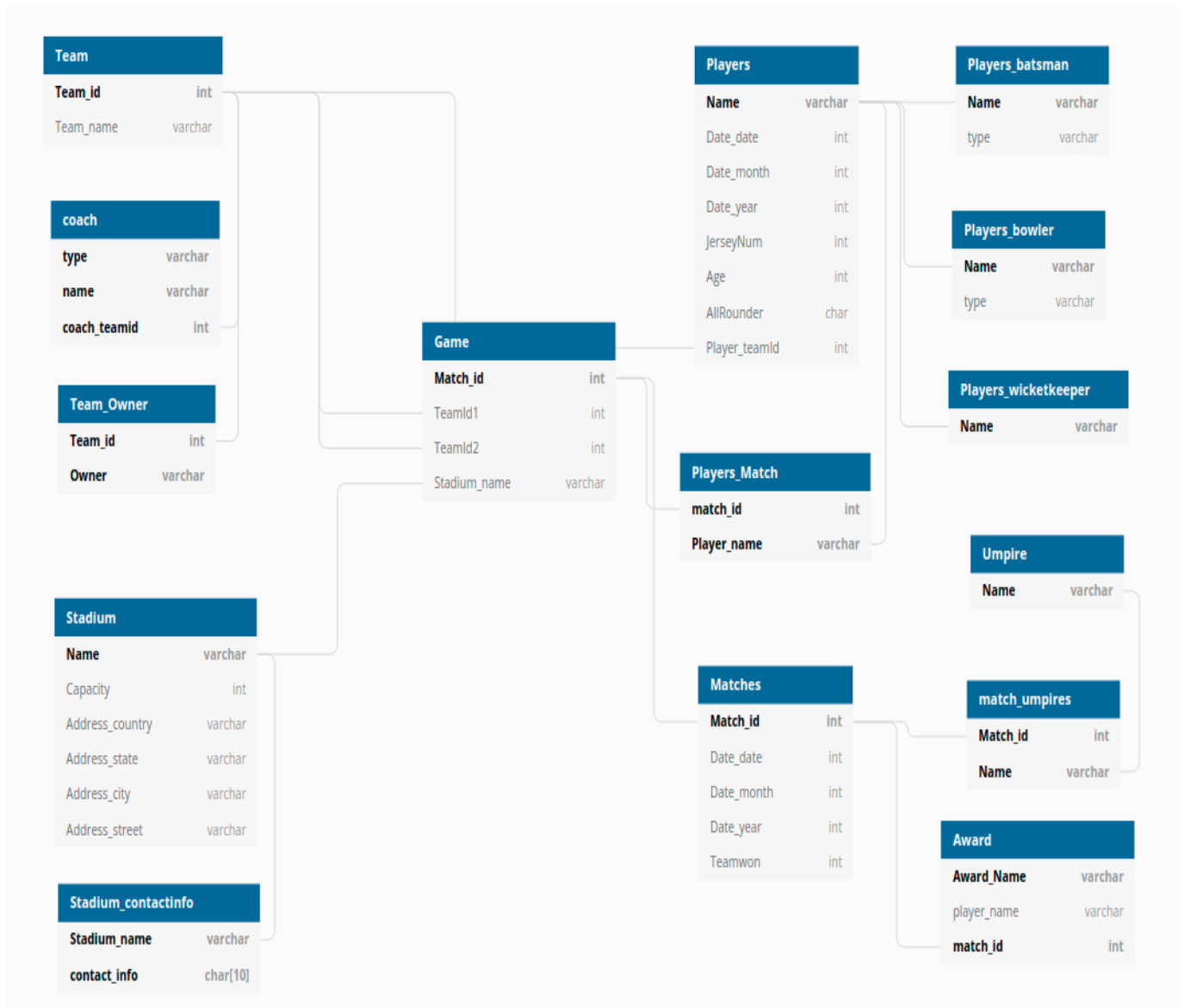
To convert to the relationship data diagram from ER diagram, we converted all the entities into the table names and wrote the attributes as entries into the tables.

The relations between entities were depicted using foreign keys which connected the tables reminiscent of the entities connected by the relationship.

For the subclass and superclass for player , we introduced three new relations , Player\_batsman , Player\_bowler and Player\_wicketkeeper. They are all related with the foreign key player name to the Players relation.

To keep track of the matches we made a new column entry called Match\_Id which tells us about which particular match is being played.

## 2. Relational DataBase to 1NF,2NF,3NF



Link : <https://dbdiagram.io/d/616705f7940c4c4eec93e295>

## ***Conversion from relationship data model to 1NF form -***

We have three multivalued attributes , players in game, owners of teams and contact info of the stadium. We made three new relations, Players\_Match , Stadium\_contactinfo and Team\_owner respectively with respective foreign keys.