

INFO6210 Data Management and Database Design

TOPIC: Soccer Stats and Prediction Database

MISSION STATEMENT

The purpose of the database is to maintain and analyze past data of soccer teams who played in global tournaments during the last decade to predict next season's team selection and winning team.

MISSION OBJECTIVES

Maintain:

- To maintain (enter, update, and delete) data on player's details
- To maintain (enter, update, and delete) data on player's game preferences
- To maintain (enter, update, and delete) data on player's strategy statistics
- To maintain (enter, update, and delete) data on a player's defending skills
- To maintain (enter, update, and delete) data on a player's Goalkeeping skills
- To maintain (enter, update, and delete) data on a player's shooting skills
- To maintain (enter, update, and delete) data on player's Pace
- To maintain (enter, update, and delete) data on player's passing skill
- To maintain (enter, update, and delete) data on dribbling skill
- To maintain (enter, update, and delete) data on defending
- To maintain (enter, update, and delete) data on players' attacking skills
- To maintain (enter, update, and delete) data on players' Work rate
- To maintain (enter, update, and delete) data on players preferred foot
- To maintain (enter, update, and delete) data on player's weak foot
- To maintain (enter, update, and delete) data on managers wins and losses
- To maintain (enter, update, and delete) data on managers history as a player
- To maintain (enter, update, and delete) data on a player's international standing
- To maintain (enter, update, and delete) data on the number of titles a player has won

Search:

- To perform searches on player's personal information
- To perform searches on player's health status
- To perform searches on player's international rankings
- To perform searches on player's game strategy
- To perform searches on player's defending skills
- To perform searches on players goalkeeping skills
- To perform searches on player's preferred foot
- To perform searches on manager's work history

Track:

- To track the player's performance in each tournament and season
- To track the team's performance in each season
- To track the managers performance in each season
- To track the opposition team's performance in each season
- To track the recovery rate of players

Report:

- To report on players
- To report on teams
- To report the effect of age on performance metrics of a player
- To report the players gaming strategy
- To report the dominance in major championships
- To report the change in game strategy based on oppositions
- To report on team managers
- To report the ideal performance metrics based on the analyzation process which can build a team which has the potential to be future champions