



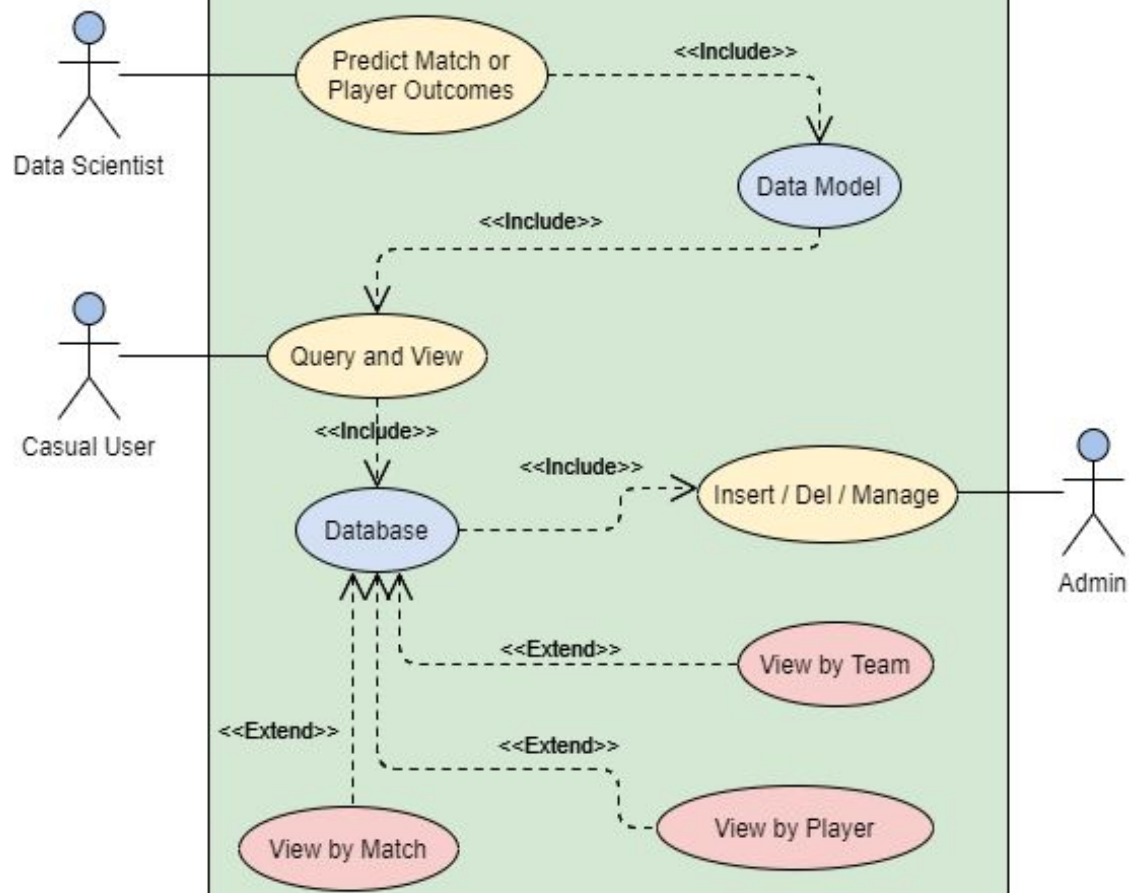
FIFA World Cups

Connor Bourke and Partap Singh

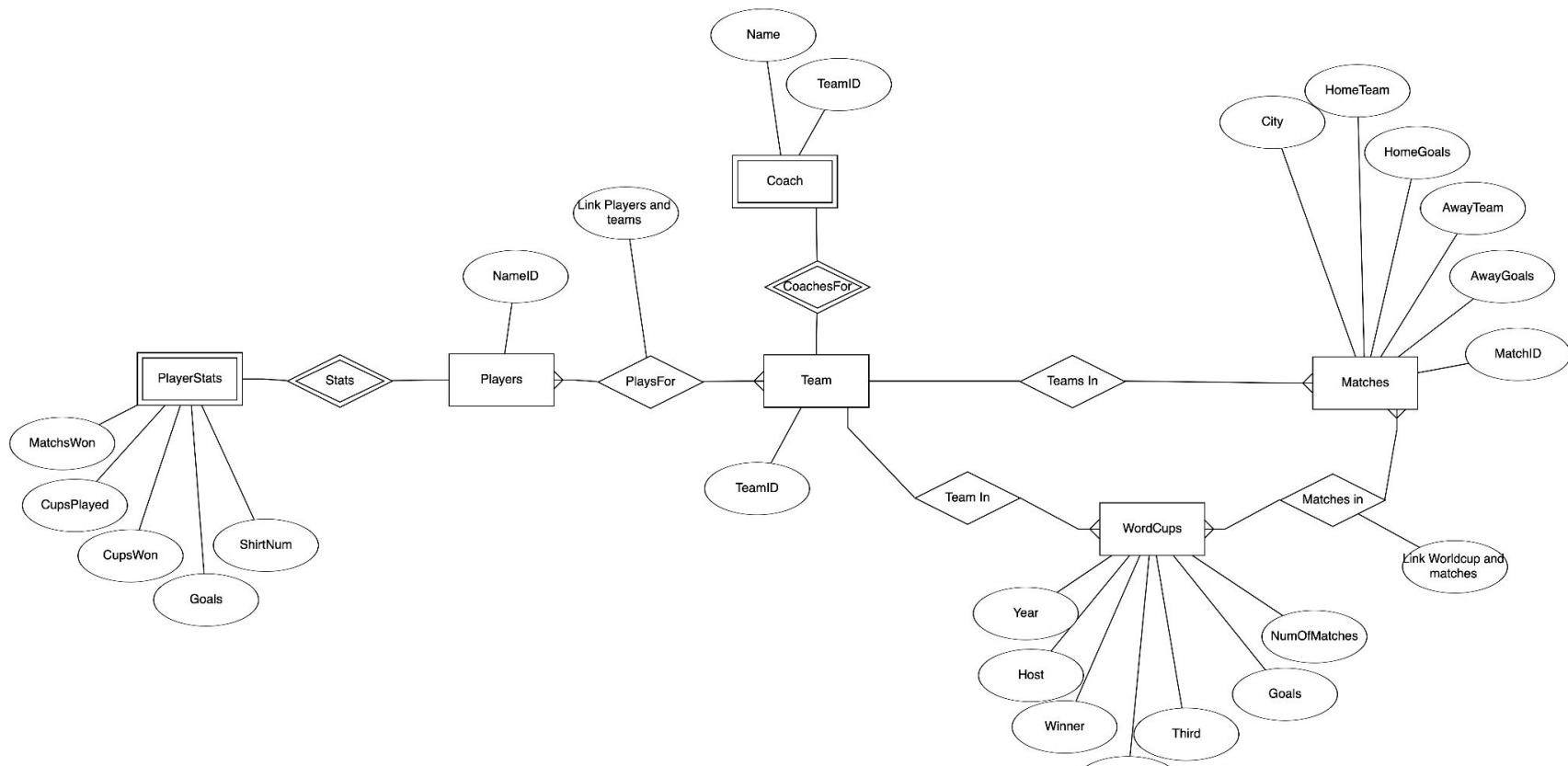


System Description

- Command-line application with FIFA World Cups database backend
- Displays list of each attribute that corresponds to the players, the teams, the coaches, and the matchups between two different teams at the different stages of the tournament. Has options for displaying complex combinations of statistics. Also has the option to enter a custom SQL query to manage the database.



UML Use Case Diagram



E/R Diagram

Relational Schema

Player	
p_id	int
p_name	varchar

Team	
t_id	int
t_team	varchar

Coach	
c_teamid	int
c_id	int
c_name	varchar

PlayerStats	
ps_playerid	int
ps_matchesplayed	int
ps_cupsplayed	int
ps_goals	int

Match	
m_id	int
stage	varchar
m_city	varchar
m_hometeam	int
m_homegoals	int
m_awayteam	int
m_awaygoals	int

WorldCup	
w_year	date
w_host	varchar
w_winner	varchar
w_second	varchar
w_third	varchar
w_numteams	int
matchesplayed	int
w_goals	int

LinkPlayerTeam	
PLT_id	int
p_id	int
t_id	int

LinkCupMatch	
WCM_id	int
m_id	int
w_year	date

Implementation Details

- Command-line application built similarly to lab 7
- Enter pre-existing commands to extract various combinations of statistics or manage the DB
- Enter custom queries for more specific DB management
- Language: Java
- Display: Terminal Output
- DB: SQLite3