



Sirma Solutions

TASK: **Football tournament website**

Create a web application that visualizes the matches and results from the European Football Championship.

Input data:

A **CSV files** with data in the following format:

players.csv

ID, TeamNumber, Position, FullName, TeamID

1, 1, GK, Manuel Neuer, 1

2, 2, DF, Antonio Rüdiger, 1

3, 3, DF, David Raum, 1

4, 4, DF, Jonathan Tah, 1

5, 5, MF, Pascal Groß, 1

6, 6, DF, Joshua Kimmich, 1

...

teams.csv

ID, Name, ManagerFullName, Group

1, Germany, Julian Nagelsmann, A

2, Scotland, Steve Clarke, A

3, Hungary, Marco Rossi, A

4, Switzerland, Murat Yakin, A

5, Spain, Luis de la Fuente, B

...

matches.csv

ID, ATeamID, BTeamID, Date, Score

1, 1, 2, 6/14/2024, 5-1

2, 3, 4, 6/15/2024, 1-3

...

records.csv

ID, PlayerID, MatchID, fromMinutes, toMinutes

1, 1, 1, 0, NULL

2, 2, 1, 0, 90

3, 6, 1, 0, 90

4, 4, 1, 0, 90

8, 23, 1, 0, 46

9, 5, 1, 46, 90

10, 10, 1, 0, 74



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Positions:

Position Name Type		
GOALKEEPER Goalkeeper GK		
DEFENDER	Centre-back	CB
	Right-back	RB
	Left-back	LB
	Right Winger	RWB
	Left Winger	LWB
MIDFIELDER	Central Midfielder	CM
	Defensive Midfielder	CDM
	Attacking Midfielder	CAM
	Right Midfielder	RM
	Left Midfielder	LM

FORWARD

Striker

Forward Right

RF

Winger Left Winger

LF

Central Forward

ST

Right Forward Left

CF

RW LW

Specific requirements

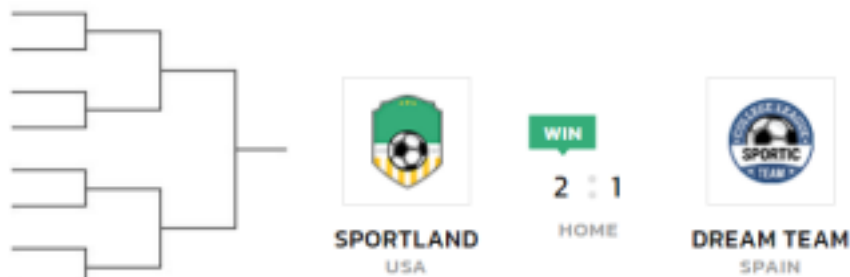
- 1) toMinutes** can be NULL, equivalent to end of match e.g. 90 min. **2)** The input data must be loaded to the program from the CSV files. **3)** More than one date format to be supported, extra points will be given if all date formats are supported.
- 4)** In a README.md file summarize your understanding for the task and your algorithm.
- 5) Do not use** external libraries for CSV parsing.
- 6)** Follow clean code conventions.
- 7)** Create a user friendly React application with 'proper' CSS styling.



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Views

- 1) Homepage**
 - a. Include brackets view of all matches in the tournament
 - b. The group stage ends on 26.06
 - c. Examples:



- 2) Match Details** – when selecting a match:
 - a. Visualize side by side both teams with their corresponding formation
 - b. Add the Match result to be seen above the teams.



3) Team Details

a. Include Roster view of all players in the team



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No	Player	Pos.
1	Alisson Becker	GK
13	Adrian	GK
62	Caiohin Keli...	GK
2	Joe Gomez	DF
4	Virgil van Dijk	DF
5	Ibrahima Konate	DF
21	Konstantinos Ts...	DF
26	Andrew Roberts...	DF
48	Calum Scanton	DF
65	Amara Nallo	DF
66	Trent Alexander...	DF

Bonus

- 4) Not using UI component libraries like MaterialUI etc.
- 5) Search/Filter Functionality
- 6) Responsive Design

Delivery

- 1) The task solution needs to be uploaded in GitHub.