Project Overview + Files

There has been a match between Puebla FC and FC Juarez and EasyCoach has received the statistics for the match. Puebla FC has asked to see the resulting statistics in our application and as the frontend developer for EasyCoach you have been tasked with processing the statistics and displaying them. The statistics consist of:

1. A csv file (u20advancedstats.csv).
   - The file has a table for the Puebla Team
   - Each row refers to one player of Puebla
   - The columns fall into 2 categories: touches or passes
   - The description of each column can be found in Manual.docx
2. Two pdf files (Shot Location.pdf or Shot Nets Team.pdf)
   - The files contain the location of all the shots from each team (1st half, 2nd half, combination of both or all match)
   - One pdf displays them by the location the shots were taken, the other pdf by the location the shot went in regards to the goal.

The Tasks

Part one:
1. Create a component that takes the csv file and scrapes the data from the table.
2. Create a table similar to that of the csv where this data will be displayed. Add filters,colors, relevant statistics (e.g. last row shows averages of each column) as you see fit.
3. Create a bar chart that is associated with the table. (e.g. a bar chart where the x axis is each player and the y axis is the result of one of the columns in the table *make it generic so any column can be displayed* and a horizontal line displayed for the average of the players of the column displayed).
4. Add a filter to select which column is displayed at any time.

Part two:
5. Select **ONE** of the two PDFs with shot data and create a component that as input would take the data of the shots and will display it in a similar way as shown in the pdf. Add your twist to it (colors, design, etc.)
   PLEASE NOTE: You should create your own fake json data and create the component to display this data to resemble the results seen in the pdf.

What We Are Looking For
- The instructions are vague on purpose. We want to assess your ability to think and make decisions independently.
- We value solutions outside of the box so take risks.

STACK
- React.js
- Csv scraping (https://www.npmjs.com/package/papaparse)
- Ant design for UI and the table (https://ant.design/)
- react-apexcharts for the graphs (https://apexcharts.com/docs/react-charts/#)

How To Submit
Deploy your react project to any hosting service and upload your code to Github. Send an email to shlomi@easycoach.club with the title 'EasyCoach Project' and attach links to both the repository and the deployed project.