Final Project: Player Directory

Objectives: Practice creating a full-stack application for a directory with the use of a React front-end and use express/mongoose to communicate with a MongoDB database.

Due: 06/01/2020

Specification/Requirements:
- In this exercise you need to complete the definitions of 3 components:
  - 'directory.js' in the backend folder
  - 'App.js' in the frontend folder
  - 'Data.js' in the backend folder
- Each player should have a name, position, age and nationality. Create an appropriate Schema with this information in Data.js
- The App.js is where all your front-end code will go. Here, you will create requests that will be used to communicate with the backend with the use of fetch in order to interact with your database on MongoDB. These requests will be to:
  - Sign a player (POST)
  - Sell a player (DELETE)
  - Change the age of player (PUT)
  - See all the players on the roster (GET)
  You will also create forms for the first four requests so that the information required to perform the requests can be stored (Forms are not needed to see all the players on the roster).
- In the directory.js file, all you have to do is handle each of the above requests that you created in the frontend with the functions provided in your mongoose-integrated system. The skeletons for each function have already been provided for you
- The 'npx express-generator backend' and 'npx create-react-app frontend' commands were already run in the Starter code file prior to sending this file to you. Hence, why you already have the folders set up. Just in case, make sure to run 'npm install mongoose' in the starter file as well just to make sure that you can make contact with your MongoDB database.

Notes:
- A video was posted showing you how to connect your MongoDB database to your code so make sure to watch that prior to starting this project.

- You do not have to create any additional files, but you are free to style your application however you want in the css files
- You may ask for help from instructors and TAs, but make sure code is not shared. You may also ask for help from friends and classmates, but we will be checking to make sure code is not copied more strictly than before.

Sample Test Cases:
- In "Sign A Player"
  - Enter Pogba for name, MD for position, 23 for Age, France for Nationality
  - Enter Wan-Bissaka for name, DF for position, 22 for Age, England for Nationality
  - Enter Rashford for name, ST for position, 22 for Age, England for Nationality
  - Enter Martial for name, ST for position, 2 for Age, France for Nationality
- Click on Squad List
  - You should get:
    - Name: Pogba, Position: MD, Age: 23, Nationality: France
    - Name: Wan-Bissaka, Position: DF, Age: 22, Nationality: England
    - Name: Rashford, Position: ST, Age: 22, Nationality: England
    - Name: Martial, Position: ST, Age: 2, Nationality: France
- In "Sell a player"
  - Enter Pogba for name, MD for position, 23 for Age, France for Nationality
- Click on Squad List
  - You should get:
    - Name: Wan-Bissaka, Position: DF, Age: 22, Nationality: England
    - Name: Rashford, Position: ST, Age: 22, Nationality: England
    - Name: Martial, Position: ST, Age: 2, Nationality: France
- In "Change Age"
  - Enter Rashford for name, 30 for Age
- Click on Squad List
  - You should get:
    - Name: Wan-Bissaka, Position: DF, Age: 22, Nationality: England
    - Name: Rashford, Position: ST, Age: 30, Nationality: England
    - Name: Martial, Position: ST, Age: 2, Nationality: France