ASSESSMENT 7

Task: Using the starter code, build a React application that displays a list of players and their scores. It includes a form that lets the user add players and a button that removes all players.

Setup and Submission:
See readme.md for setup instructions. Commit and push to submit.

Build Specifications:
The application consists of three components in addition to the App component. Display the `PlayerList` component in the App component. It also has a `Player` interface for the model.

`Player` Interface

- Represents a player object in the array of players.
- Has two properties: `name` (string) and `score` (number)

`PlayerList` Component

- Displays an HTML table of players, including two columns: Name and Score.
- The rows of this table must be rendered using the `PlayerRow` component (see below).
- The data for the table comes from an array in the *state* of PlayerList. Set the initial values for the array to [{ name: "Fox", score: 12 }, { name: "Turtle", score: 5 }].
- Includes a "Clear List" button. When the "Clear List" button is clicked, the array is cleared and the table appears empty.
- `PlayerList` displays a `PlayerForm` component, which is used to add players to the array.
- Use CSS to add a 10px margin to the `PlayerList` component.
- Includes an <h1> that says "Players". Use CSS to make the text of this <h1> `DarkOrchid` in color.

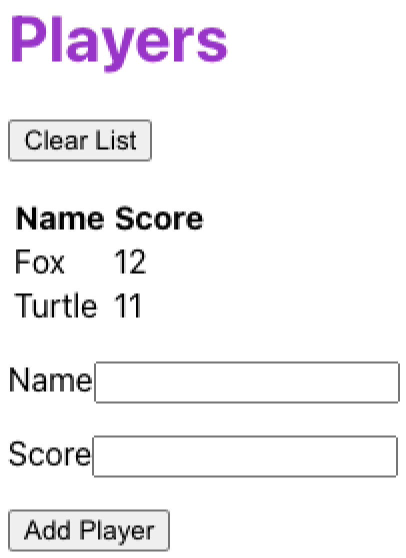
`PlayerRow` Component

- Takes a `player` prop of type `Player`.
- Renders a single table row with two cells to display the name and score of that player.
- `PlayerList` must use `PlayerRow` when rendering the table.

`PlayerForm` Component

- Renders a form with an input for name, an input for score, and a submit button.
- Takes an `onSubmit` callback prop. `onSubmit` has one parameter, a `Player` with name and score values from the form.
- When the form is submitted it should call the `onSubmit` callback.
- When the form is submitted it should also clear the form, setting both inputs to empty.
- In `PlayerList` handle the onSubmit callback and add the `Player` to the list.

Example Screenshot:
Here is a sample screenshot to illustrate the task.



Name	Score
Fox	12
Turtle	11

Grading Criteria:
This assessment is graded out of 10 points.

1. There is a correctly-typed interface named `Player` that includes `name` and `score` fields.
2. There is a `PlayerRow` component that renders a <tr> with two <td>s.
3. `PlayerRow` has a `player` prop of type `Player`. It uses this data to render the name and score.
4. `PlayerList` displays the names and scores of the players from the array.
5. `PlayerList` displays the names and scores using a correct HTML table format with a header row. And it uses `PlayerRow` for the rows of the table.
6. `PlayerList` has a 10px margin and it's "Player List" <h1> is DarkOrchid.
7. The "Clear List" button in `PlayerList` resets the array of players to an empty array.
8. `PlayerForm` is displayed and includes inputs for name and score and a submit button.
9. `PlayerForm` does not reload the page, but does clear out the form fields on submit.
10. Using a callback prop, a `Player` with correct name and score is added to `PlayerList` when `PlayerForm` is submitted.