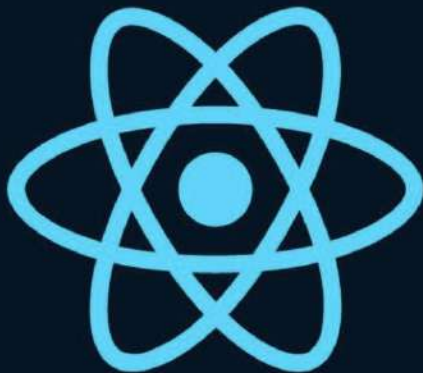




@pyplane_code

React js drag & drop



Introduction

In this tutorial we will install beautiful-react-dnd package to implement a simple drag and drop solution to rank football teams from the best to worst

Real Madrid

Manchester City



FC Barcelona

Manchester United

Get started

To get started create a new react app and install beautiful-react-dnd package



react-beautiful-dnd (rbd)

Beautiful and accessible drag and drop for lists with [React](#).

React version 15.3.0



First steps

To the App.js file add imports:

```
import {DragDropContext, Droppable, Draggable} from 'react-beautiful-dnd'
```

- DragDropContext - enable drag and drop
- Droppable - area to move around items
- Draggable - item which we can move

Create some data items to move around:

```
const TEAM_DATA = [  
  {id: 1, name: 'FC Barcelona'},  
  {id: 2, name: 'Manchester United'},  
  {id: 3, name: 'Real Madrid'},  
  {id: 4, name: 'PSG'},  
  {id: 5, name: 'Manchester City'},  
]
```

App.js - part 1

Let's now take a look at our app.js file. Note that I've also installed react-bootstrap and imported from there the Card and Container component

```
function App() {  
  const [items, setItems] = useState(Team_DATA)  
  
  const dataMap = items.map((el, i) => {  
    return (  
      <Draggable key={el.id} draggableId={el.id.toString()} index={i}>  
        {(provided) => {  
          return(  
            <div  
              {...provided.draggableProps}  
              {...provided.dragHandleProps}  
              ref={provided.innerRef}  
            >  
              <Card  
                style={{width:'100%', padding:50, margin:20}}  
              >  
                {el.name}  
              </Card>  
            </div>  
          )  
        }}  
      </Draggable>  
    )  
  })  
}
```

App.js part 2

Below the final part of the code for our simple project

```
const handleOnDragEnd = (res) => {  
  const itemsCopy = [...items]  
  const [reorderedItem] = itemsCopy.splice(res.source.index, 1)  
  itemsCopy.splice(res.destination.index, 0, reorderedItem)  
  setItems(itemsCopy)  
}  
  
return (  
  <div className="App">  
    <Container>  
      <DragDropContext onDragEnd={handleOnDragEnd}>  
        <Draggable draggableId='items'>  
          {(provided) => {  
            return (  
              <div {...provided.draggableProps} ref={provided.innerRef} >  
                {dataMap}  
                {provided.placeholder}  
              </div>  
            )  
          }}  
        </Draggable>  
      </DragDropContext>  
    </Container>  
  </div>  
);  
}  
  
export default App;
```