Web App Design with React Week 3 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are	25
Creativity	concise and clear. Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

1. Using the Houses API, or any open API of your choice you can find online, create a single page that allows for all 4 crud operations to be performed on a resource from that API. Create a React component (or more, if needed) to represent the resource. Make all forms and other necessary UI pieces their own components as reasonable.

Screens	hots o	f Cod	e:
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Index.js

HousesApi:

```
JS HousesApi.js X # index.css
src > REST > 🥦 HousesApi.js > 😭 HousesApi > 🔑 get
      class HousesApi {
              console.log("inside");
               console.log("right now house is: " + house);
                   const resp = await fetch(`${HOUSES_ENDPOINT_2}`, {
    method: 'POST',
                       headers: {
                       body: JSON.stringify(house)
                  console.log("error with create", e);
               const data = await resp.json();
               return data:
               } catch(e) {
                  console.log("opps, looks like there's an issue fetching", e);
                   const resp = await fetch(`${HOUSES_ENDPOINT_2}/${house._id}`, {
   method: 'PUT',
                       headers: {
    'Content-Type': "application/json"
                       body: JSON.stringify(house)
                   console.log("opps, looks like updating houses had an issue", e);
```

</>/>

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HousesList:

```
JS HousesList.js • # index.css
NewRoomForm.is
   import React from "react";
import React from "./House";
import { housesApi } from "../REST/HousesApi";
import { NewHouseForm } from "../NewHouseForm";
     export default class HousesList extends React.Component {
         constructor(props) {
              super(props);
              this.state = {
                 houses: []
         componentDidMount() {
             this.fetchHouses();
             const houses = await housesApi.get();
             console.log(this.state)
         updateHouse = async (updatedHouse) => {
              await housesApi.put(updatedHouse);
             this.fetchHouses();
                      house = {house} key = {house._id}
updateHouse = {this.updateHouse}
```

New House Form:

```
S NewRoomForm.js
                                                     JS NewHouseForm.js X JS HousesApi.js
 1 import React, {useState} from "react";
      import { housesApi } from "../REST/HousesApi";
      export const NewHouseForm = (props) => {
         const [name, setName] = useState('');
          const onSubmit = (e) => {
                  housesApi.create({name})
                 setName('');
console.log("im trying")
                 console.log(name)
                 console.log('invalid input');
              e.preventDefault();
              setTimeout(() => {
                 props.getHouse();
              }, 1000);
             <nav className="navbar">
                      <h1>HOUSE CREATOR</h1>
                      <form className="addHouseForm d-flex" onSubmit={onSubmit}>
                          <h2>Add a New House: &nbsp;&nbsp;</h2>
                              placeholder="House Name"
                              onChange={(e) => setName(e.target.value)}
                              value={name}
                          <button type="submit" className="btn btn-info">Add House</button>
```

New Room Form:



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House:



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CSS:



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```
src > # index.css > % .card-header
  1 body {
       margin: 0;
        font-family: Georgia, 'Times New Roman', Times, serif;
        -webkit-font-smoothing: antialiased;
        -moz-osx-font-smoothing: grayscale;
       font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
       list-style-type: none;
       display: flex;
        background-color: ☐ rgb(0, 127, 212);
        height: 275px;
       justify-content: center; color: ■white;
        margin: 2px;
        padding: 10px;
        border: 4px solid □rgb(106, 30, 150);
      .navbar h1 {
       font-size: 8vw;
      .navbar .addHouseForm {
       font-size: 20px;
        justify-content: center;
        align-items: center;
```

```
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    /*House Cards*/
     .card {
       background-color: □rgb(72, 71, 116);
       color: □black;
       margin: 2px;
       padding: 10px;
       border: 4px solid □rgb(106, 30, 150);
    .card-header {
     background-color: ☐rgb(7, 133, 150);
       color: ☐white;
       text-align: center;
       font-size: 50px;
    .card-body {
       background-color: ■white;
       text-align: left;
       font-size: 20px;
     .card-footer {
       background-color: □rgb(33, 31, 146);
       color: ■white;
```

Screenshots of Running Application:

Create a house:



Newly created house and create a room:



Created room:



Read the rooms of a house:



Delete a room:



Read multiple houses, and delete a house:





URL to GitHub Repository:

https://github.com/aheiser2/Week-15-Assignment