

Screenshot of Code:

```
JS HousesApi.js x JS App.js JS NewHouseForm.js JS UpdateHouseForm.js JS House.js
src > rest > JS HousesApi.js > delete
1 const HOUSES_ENDPOINT = 'https://ancient-taiga-31359.herokuapp.com/api/houses';
2
3 class HousesApi {
4   create = async (house) => {
5     try {
6       const resp = await fetch(`${HOUSES_ENDPOINT}`, {
7         method: 'POST',
8         headers: {
9           'Content-Type': 'application/json',
10        },
11        body: JSON.stringify(house),
12      });
13      return resp;
14    } catch (e) {
15      console.log('Oops, looks like creating houses had an issue.', e);
16    }
17  };
18
19   get = async () => {
20     try {
21       const resp = await fetch(HOUSES_ENDPOINT);
22       const data = await resp.json();
23       return data;
24     } catch (e) {
25       console.log('Oops, looks like fetchHouses had an issue.', e);
26     }
27  };
28
29   update = async (house) => {
30     try {
31       let updatedWithoutId = {
32         name: house.name,
33         location: house.location,
34         room: house.room,
35         area: house.area,
36         backyard: house.backyard,
37       };
38       const resp = await fetch(`${HOUSES_ENDPOINT}/${house._id}`, {
39         method: 'PUT',
40         headers: {
41           'Content-Type': 'application/json'
42         },
43         body: JSON.stringify(updatedWithoutId),
44       });
45       return resp;
46     } catch (e) {
```

```
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src > rest > JS HousesApi.js > delete
44     });
45     return resp;
46   } catch (e) {
47     console.log('Oops, looks like updating houses had an issue.', e);
48   }
49 };
50
51 delete = async (id) => {
52   try {
53     const resp = await fetch(`${HOUSES_ENDPOINT}/${id}`, {
54       method: 'DELETE',
55       headers: {
56         'Content-Type': 'application/json',
57       },
58     });
59     return resp;
60   } catch (e) {
61     console.log('Oops, looks like deleting houses had an issue.', e);
62   }
63 };
64
65 export const housesApi = new HousesApi();
```

```
src > JS App.js > App > render
1 import React from 'react';
2 import House from './components/House';
3 import { NewHouseForm } from './components/NewHouseForm';
4 import { housesApi } from './rest/HousesApi.js';
5 import './node_modules/bootstrap/dist/css/bootstrap.css';
6
7 export default class App extends React.Component {
8   constructor(props) {
9     super(props);
10    this.state = {
11      houses: [],
12    };
13
14    this.creatHouse = this.creatHouse.bind(this);
15    this.deleteHouse = this.deleteHouse.bind(this);
16    this.updateHouse = this.updateHouse.bind(this);
17  }
18
19   fetchHouses = async () => {
20     const houses = await housesApi.get();
21     this.setState({ houses });
22   };
23
24   componentDidMount() {
25     this.fetchHouses();
26   }
27
28   creatHouse = async (house) => {
29     await housesApi.create(house);
30     this.fetchHouses();
31   };
32
33   deleteHouse = async (id) => {
34     await housesApi.delete(id);
35     this.fetchHouses();
36   };
37
38   updateHouse = async (house) => {
39     await housesApi.update(house);
40     this.fetchHouses();
41   };
42
43   render() {
44     let houses = this.state.houses.map((house) => {
45       <House
```

```
43   render() {
44     let houses = this.state.houses.map((house) => {
45       return (
46         <House
47           {...house}
48           key={house._id}
49           deleteHouse={this.deleteHouse}
50           updateHouse={this.updateHouse}
51         />
52       );
53     });
54
55     return (
56       <div className="container">
57         <div className="row">
58           <div className="col">
59             <div className="card">
60               <div className="card-header">
61                 <h4>Add House</h4>
62               </div>
63               <div className="card-body">
64                 <NewHouseForm creatHouse={this.creatHouse} />
65               </div>
66             </div>
67           </div>
68           <div className="col-md-1" />
69           <div className="col">
70             <div className="row">
71               <div className="container">
72                 {houses}
73               </div>
74             </div>
75           </div>
76         </div>
77       </div>
78     );
79   }
80 }
81
82
83
84 }
```

```
JS HousesApi.js JS App.js JS NewHouseForm.js X JS UpdateHouseForm.js JS House.js
src > Components > JS NewHouseForm.js > [e] NewHouseForm
1 import React, { useState } from 'react';
2
3 export const NewHouseForm = (props) => {
4   const [name, setName] = useState('');
5   const [location, setLocation] = useState('');
6   const [room, setRoom] = useState('');
7   const [area, setArea] = useState('');
8   const [backyard, setBackyard] = useState('');
9
10  const handleSubmit = (e) => {
11    props.createHouse({name, location, room, area, backyard});
12    e.preventDefault();
13    setName('');
14    setLocation('');
15    setRoom('');
16    setArea('');
17    setBackyard('');
18  };
19
20  return (
21    <div className='new-house-form'>
22      <form onSubmit={handleSubmit}>
23        <div className='form-group'>
24          <input
25            className='form-control'
26            type='text'
27            name='name'
28            value={name}
29            id='nameInput'
30            placeholder='Name'
31            onChange={(e) => setName(e.target.value)}
32          />
33        </div>
34        <div className='form-group'>
35          <div className='form-group'>
36            <input
37              className='form-control'
38              type='text'
39              name='location'
40              value={location}
41              id='locationInput'
42              placeholder='Location'
43              onChange={(e) => setLocation(e.target.value)}
44            />
45          </div>
46
```

```
JS HousesApi.js JS App.js JS NewHouseForm.js X JS UpdateHouseForm.js JS House.js
src > Components > JS NewHouseForm.js > [e] NewHouseForm
46 </div>
47 <div className='form-group'>
48   <input
49     className='form-control'
50     type='text'
51     name='room'
52     value={room}
53     id='roomInput'
54     placeholder='Room'
55     onChange={(e) => setRoom(e.target.value)}
56   />
57 </div>
58 <div className='form-group'>
59   <input
60     className='form-control'
61     type='text'
62     name='area'
63     value={area}
64     id='areaInput'
65     placeholder='Area'
66     onChange={(e) => setArea(e.target.value)}
67   />
68 </div>
69 <div className='form-group'>
70   <input
71     className='form-control'
72     type='text'
73     name='backyard'
74     value={backyard}
75     id='backyardInput'
76     placeholder='Backyard'
77     onChange={(e) => setBackyard(e.target.value)}
78   />
79 </div>
80 <button type='submit' className='btn btn-primary'>Submit House</button>
81 </form>
82 </div>
83
84 };
```

```
JS HousesApi.js JS App.js JS NewHouseForm.js JS UpdateHouseForm.js x JS House.js
src > components > JS UpdateHouseForm.js > UpdateHouseForm > render
1 import React from 'react';
2
3 export default class UpdateHouseForm extends React.Component {
4   constructor(props) {
5     super(props);
6     this.state = {
7       _id: props._id,
8       name: props.name,
9       location: props.location,
10      room: props.room,
11      area: props.area,
12      backyard: props.backyard,
13    };
14
15    this.handleChange = this.handleChange.bind(this);
16    this.handleSubmit = this.handleSubmit.bind(this);
17  }
18
19  handleChange(e) {
20    const target = e.target;
21    const name = target.name;
22    const value = target.value;
23
24    this.setState({
25      [name]: value,
26    });
27  }
28
29  handleSubmit(e) {
30    this.props.updateHouse(this.state);
31    e.preventDefault();
32  }
33
34  render() {
35    return (
36      <div className='update-house-form'>
37        <form onSubmit={this.handleSubmit}>
38          <div className='form-group'>
39            <label htmlFor='nameInput'>Name:</label>
40            <input
41              className='form-control'
42              type='text'
43              name='name'
44              value={this.state.name}
45              onChange={this.handleChange}
46            />

```

```
JS HousesApi.js JS App.js JS NewHouseForm.js JS UpdateHouseForm.js x JS House.js
src > components > JS UpdateHouseForm.js > UpdateHouseForm > render
46      </div>
47    </div>
48    <div className='form-group'>
49      <label htmlFor='locationInput'>Location:</label>
50      <input
51        className='form-control'
52        type='text'
53        name='location'
54        value={this.state.location}
55        onChange={this.handleChange}
56      />
57    </div>
58    <div className='form-group'>
59      <label htmlFor='roomInput'>Room:</label>
60      <input
61        className='form-control'
62        type='text'
63        name='room'
64        value={this.state.room}
65        onChange={this.handleChange}
66      />
67    </div>
68    <div className='form-group'>
69      <label htmlFor='areaInput'>Area:</label>
70      <input
71        className='form-control'
72        type='text'
73        name='area'
74        value={this.state.area}
75        onChange={this.handleChange}
76      />
77    </div>
78    <div className='form-group'>
79      <label htmlFor='backyardInput'>Backyard:</label>
80      <input
81        className='form-control'
82        type='text'
83        name='backyard'
84        value={this.state.backyard}
85        onChange={this.handleChange}
86      />
87    </div>
88    <button type='submit' className='btn btn-primary'>Update</button>
89  </form>
90 </div>

```

```
JS HousesApi.js JS App.js JS NewHouseForm.js JS UpdateHouseForm.js X JS House.js
src > components > JS UpdateHouseForm.js > UpdateHouseForm > render
51
52     className='form-control'
53     type='text'
54     name='location'
55     value={this.state.location}
56     onChange={this.handleChange}
57   />
58 </div>
59 <div className='form-group'>
60   <label htmlFor='roomInput'>Room:</label>
61   <input
62     className='form-control'
63     type='text'
64     name='room'
65     value={this.state.room}
66     onChange={this.handleChange}
67   />
68 </div>
69 <div className='form-group'>
70   <label htmlFor='areaInput'>Area:</label>
71   <input
72     className='form-control'
73     type='text'
74     name='area'
75     value={this.state.area}
76     onChange={this.handleChange}
77   />
78 </div>
79 <div className='form-group'>
80   <label htmlFor='backyardInput'>Backyard:</label>
81   <input
82     className='form-control'
83     type='text'
84     name='backyard'
85     value={this.state.backyard}
86     onChange={this.handleChange}
87   />
88 </div>
89 <button type='submit' className='btn btn-primary'>Update</button>
90 </form>
91 </div>
92
93 }
```

```
JS HousesApi.js JS App.js JS NewHouseForm.js JS UpdateHouseForm.js X JS House.js
src > Components > JS House.js > House
1 import React from 'react';
2 import './node_modules/bootstrap/dist/css/bootstrap.css';
3 import UpdateHouseForm from './UpdateHouseForm.js';
4
5 export default class House extends React.Component {
6   constructor(props) {
7     super(props);
8
9     this.handleClick = this.handleClick.bind(this);
10    this.updateHouse = this.updateHouse.bind(this);
11  }
12
13  handleClick() {
14    this.props.deleteHouse(this.props._id);
15  }
16
17  updateHouse(house) {
18    this.props.update(house);
19  }
20
21  render() {
22    return (
23      <div className="card">
24        <div className="card-body">
25          <button
26            className="btn btn-danger"
27            onClick={this.handleClick}
28          >
29            Delete
30          </button>
31          <h2 className="card-title">
32            {this.props.name}
33          </h2>
34          <div>
35            <h5 className="card-text">{this.props.location}</h5>
36            <h5 className="card-text">{this.props.room}</h5>
37            <h5 className="card-text">{this.props.area}</h5>
38            <h5 className="card-text">{this.props.backyard}</h5>
39          </div>
40          <UpdateHouseForm {...this.props} updateHouse={this.props.updateHouse} />
41        </div>
42      </div>
43    );
44  }
45
46 }
```

```
JS HousesApi.js JS App.js JS NewHouseForm.js JS UpdateHouseForm.js JS House.js x
src > Components > JS House.js > House
3 import UpdateHouseForm from './updateHouseForm.js';
4
5 export default class House extends React.Component {
6   constructor(props) {
7     super(props);
8
9     this.handleDeleteClick = this.handleDeleteClick.bind(this);
10    this.updateHouse = this.updateHouse.bind(this);
11  }
12
13  handleDeleteClick() {
14    this.props.deleteHouse(this.props._id);
15  }
16
17  updateHouse(house) {
18    this.props.update(house);
19  }
20
21  render() {
22    return (
23      <div className="card">
24        <div className="card-body">
25          <button
26            className="btn btn-danger"
27            onClick={this.handleDeleteClick}
28          >
29            Delete
30          </button>
31          <h2 className="card-title">
32            {this.props.name}
33          </h2>
34          <div>
35            <h5 className="card-text">{this.props.location}</h5>
36            <h5 className="card-text">{this.props.room}</h5>
37            <h5 className="card-text">{this.props.area}</h5>
38            <h5 className="card-text">{this.props.backyard}</h5>
39          </div>
40          <UpdateHouseForm {...this.props} updateHouse={this.props.updateHouse} />
41        </div>
42      </div>
43    );
44  }
45
46
47  };
```

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