



Web App Design with React Final Project

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 concise and clear.	25
Creativity	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 an online API of your choice (or if no API can be found, using an array for in-memory storage is okay as well), create a React project of your choice. You will be working on this for the next three weeks.
2. Project must meet the following criteria:
 - a. Use React Router and have at least 3 pages
 - b. Use React Bootstrap or an alternative styling library



c. Contain at least 10 components

d. Allow for all CRUD operations

Screenshots of Code:

```
1 import React from "react";
2 import { BrowserRouter as Router, Switch, Route } from "react-router-dom";
3
4 import "./App.css";
5
6 import ShoesList from "./components/ShoesList";
7 import Nav from "./components/Nav";
8 import YourOrder from "./components/YourOrder";
9 import Home from "./components/Home";
10 import Footer from "./components/Footer";
11 export default function App() {
12   return (
13     <div>
14       <Router>
15         <div>
16           <Nav />
17           <Switch>
18             <Route path="/order">
19               <YourOrder />
20             </Route>
21             <Route path="/shoes">
22               <ShoesList />
23             </Route>
24             <Route path="/">
25               <Home />
26             </Route>
27           </Switch>
28         </div>
29       </Router>
30       <Footer />
31     </div>
32   );
33 }
34
35 import React from "react";
36 import ReactDOM from "react-dom/client";
37 import "./index.css";
38 import "../node_modules/bootstrap/dist/css/bootstrap.css";
39
40 import App from "./App";
41 import { BrowserRouter } from "react-router-dom";
42
43 const root = ReactDOM.createRoot(document.getElementById("root"));
44 root.render(
45   <BrowserRouter>
46     <App />
47   </BrowserRouter>
48 );
49
50 import React from "react";
51
52 3 v export default function Footer() {
53   return [
54     <div className="container" id="footer">
55       <footer>Copyright © 2022 Kyo Azumaya. All Rights Reserved</footer>
56     </div>
57   ];
58 }
59
```

```
1 v import React from "react";
2 import Shoes from "./Shoes";
3
4 import Kobe1 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe1.jpeg";
5 import Kobe2 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe2.jpeg";
6 import Kobe3 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe3.jpeg";
7 import Kobe4 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe4.jpeg";
8 import Kobe5 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe5.jpeg";
9 import Kobe6 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe6.jpeg";
10 import Kobe7 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe7.jpeg";
11 import Kobe8 from "/Users/kyoazumaya/Desktop/bootcamp_assignment/shoes-app/src/kobe8.jpeg";
12
13 v const listOfShoes = [
14   {
15     name: "Nike Zoom Kobe I",
16     price: "$380.00",
17     image: Kobe1,
18     color1: "Black/White",
19     color2: "White/Purple",
20   },
21   {
22     name: "Nike Zoom Kobe II",
23     price: "$380.00",
24     image: Kobe2,
25     color1: "White/Gray",
26     color2: "Black/Yellow",
27   },
28   {
29     name: "Nike Zoom Kobe III",
30     price: "$380.00",
31     image: Kobe3,
32     color1: "White/Red",
33     color2: "Black/Gray",
34   },
35   {
36     name: "Nike Zoom Kobe IV",
37     price: "$380.00",
38     image: Kobe4,
39     color1: "White/Purple",
40     color2: "Black/White",
41   },
42   {
43     name: "Nike Zoom Kobe VI",
44     price: "$380.00",
45     image: Kobe6,
46     color1: "White/Yellow",
47     color2: "White/Orange",
48   },
49   {
50     name: "Nike Zoom Kobe VII",
51     price: "$300.00",
52     image: Kobe7,
53     color1: "Black/Blue",
54     color2: "Black/Yellow",
55   },
56   {
57     name: "Nike Zoom Kobe VIII",
58     price: "$300.00",
59     image: Kobe8,
60     color1: "Red/Yellow",
61     color2: "Black/Green",
62   },
63 ];
64
65 export default function ShoesList() {
66   return (
67     <div>
68       {listOfShoes.map(shoes, index) => [
69         const { image, name, price, color1, color2 } = shoes;
70         console.log(image, name, price, color1, color2);
71         return (
72           <div>
73             <Shoes
74               key={index}
75               image={shoes.image}
76               name={shoes.name}
77               price={shoes.price}
78               color1={shoes.color1}
79               color2={shoes.color2}
80             />
81           </div>
82         );
83       ]}
84     </div>
85   );
86 }
```



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```
1 import React from "react";
2 import { Carousel } from "react-bootstrap";
3
4 export default function Home() {
5   return [
6     <div className="container border d-flex align-items-center justify-content-center">
7       <h1 className="text-center">
8         Kobe Bryant Classic Basketball Shoes <br><br>I-VIII
9       </h1>
10    </div>
11    <div className="carousel justify-content-center" style={{ display: "block", height: 500, width: 700, padding: 30 }}>
12      <Carousel>
13        <Carousel.Item interval={3000}>
14          
15        <Carousel.Caption>
16          <div className="slideshow">
17            <h3>Kobe I</h3>
18            <p>Price: $300.00</p>
19          </div>
20        </Carousel.Caption>
21        <Carousel.Item>
22          
23        <Carousel.Caption>
24          <div className="slideshow">
25            <h3>Kobe II</h3>
26            <p>Price: $300.00</p>
27          </div>
28        </Carousel.Caption>
29        <Carousel.Item interval={3000}>
30          
31        <Carousel.Caption>
32          <div className="slideshow">
33            <h3>Kobe II</h3>
34            <p>Price: $300.00</p>
35          </div>
36        </Carousel.Caption>
37        <Carousel.Item>
38          <img alt="Image One" />
39        <Carousel.Caption>
40          <div className="slideshow">
41            <h3>Kobe II</h3>
42            <p>Price: $300.00</p>
43          </div>
44        </Carousel.Caption>
45      </Carousel>
46    </div>
47    <div>
48      <h2>Your Order</h2>
49      <table border="1" style={{ width: "100%", border-collapse: "collapse" }}>
50        <thead>
51          <tr>
52            <th>Order ID</th>
53            <th>Name</th>
54            <th>Price</th>
55            <th>Size</th>
56            <th>Color</th>
57            <th>Edit</th>
58          </tr>
59        </thead>
60        <tbody>
61          <tr key={order._id}>
62            <td>{order._id}</td>
63            <td>{order.name}</td>
64            <td>{order.price}</td>
65            <td>{order.size}</td>
66            <td>{order.color}</td>
67            <td><button onClick={()=>editOrder(order)}>Edit</button></td>
68          </tr>
69        </tbody>
70      </table>
71    </div>
72  ];
73}
74
```

```
1 import React from "react";
2 import { useState } from "react";
3
4 export default function AddToCart(props) {
5   const [size, setSize] = useState("");
6   const [color, setColor] = useState("");
7
8   const addOrder = (event) => {
9     event.preventDefault();
10    const URL =
11      "https://crudcrud.com/api/30072b6c1ca14683b6d55bea6efaa9a7/orders";
12    fetch(URL, {
13      method: "POST",
14      headers: {
15        "Content-Type": "application/json",
16      },
17      body: JSON.stringify({
18        name: props.name,
19        price: props.price,
20        size: size,
21        color: color,
22      }),
23    }).then(() => {
24      props.fetchData();
25    });
26    alert("Shoes Added to Cart");
27  };
28
29  return (
30    <div>
31      <div className="text-center container">
32        <form>
33          <label>Shoes Size:</label>
34          <select
35            className="form-control"
36            id="size"
37            value={size}
38            onChange={(event) => setSize(event.target.value)}>
39            <option value="7">7</option>
40            <option value="8">8</option>
41            <option value="9">9</option>
42            <option value="10">10</option>
43            <option value="11">11</option>
44          </select>
45        </form>
46      </div>
47    );
48  }
49
50 export default function YourOrder() {
51   const [orders, setOrders] = useState([]);
52
53   useEffect(() => {
54     fetchData();
55   }, []);
56
57   return (
58     <div>
59       <div className="row">
60         <h2 className="text-center">
61           <u>Your Order</u>
62         </h2>
63       </div>
64       <div className="container">
65         <div className="row">
66           <div className="col text-center">
67             {orders.length === 0 && <h4>Cart is Empty</h4>}
68           </div>
69         </div>
70         <span className="block-example border border-dark rounded mb-0">
71           <div className="container">
72             {orders.map((order, index) => (
73               <div className="row">
74                 <div className="col text-center">
75                   <ul>
76                     <li key={index}>
77                       <b>Name:</b> {order.name} <br><br>
78                       <b>Price:</b> {order.price}
79                     <br><br>
80                     <b>Size:</b> {order.size}
81                     <b>Color:</b> {order.color}
82                     <button onClick={()=>updateSize(index, order._id, order.name, order.price, order.size, order.color)}>Update Size</button>
83                   </ul>
84                 </div>
85               </div>
86             ))};
87           </div>
88         </span>
89       </div>
90     );
91   }
92 }
```



```
1 import React from "react";
2 import { useState } from "react";
3
4 export default function UpdateColor(props) {
5   const URL =
6     "https://crudcrud.com/api/30072b6c1ca14683b6d55bea6efaa9a7/orders";
7   const [editColor, setEditColor] = useState("");
8   const updateColor = () => {
9     fetch(`${URL}/${props.orderId}`, {
10       method: "PUT",
11       headers: {
12         "Content-Type": "application/json",
13       },
14       body: JSON.stringify({
15         name: props.name,
16         price: props.price,
17         size: props.size,
18         color: editColor,
19       }),
20     }).then(() => {
21       props.fetchData();
22     });
23     alert("Updated Color");
24     setEditColor("");
25   };
26
27   return [
28     <>
29       <div>
30         <input
31           value={editColor}
32           onChange={(event) => setEditColor(event.target.value)}
33           placeholder="Update Color"
34         />
35         <button className="btn btn-success" onClick={updateColor}>
36           Update Color
37         </button>
38       </div>
39     </>
40   ];
41 }
```

```
1 import React from "react";
2
3 export default function DeleteOrder(props) {
4   const URL =
5     "https://crudcrud.com/api/30072b6c1ca14683b6d55bea6efaa9a7/orders";
6
7   const deleteOrder = () => {
8     fetch(`${URL}/${props.orderId}`, {
9       method: "DELETE",
10      headers: {
11        "Content-Type": "application/json",
12      },
13    }).then(() => {
14      props.fetchData();
15    });
16    alert("Deleted Order");
17  };
18
19  return [
20    <div>
21      <button className="btn btn-danger" id="delete" onClick={deleteOrder}>
22        Delete Order
23      </button>
24    </div>
25  ];
}
```

Screenshots of Running Application:

Kobe Classic Shoes

Kobe Bryant Classic Basketball Shoes I-VIII

The page displays a grid of three images: two pairs of white basketball shoes and one player in action.

Kobe Classic Shoes

Nike Zoom Kobe I

Price: \$300.00

Shoes Size:

Color:

Add To Cart

Nike Zoom Kobe II

Price: \$300.00

Shoes Size:

Color:

Add To Cart



PROMINEO TECH



Kobe Classic Shoes

Home Shoes Your Order

Your Order

- Name: Nike Zoom Kobe I

Price: \$300.00

Size: 8

Color: White/Purple

<input type="button" value="Update Size"/>	<input type="button" value="Update Color"/>
<input type="button" value="Update Color"/>	<input type="button" value="Update Size"/>

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URL to GitHub Repository:

<https://github.com/KyoAzumaya/kobe-shoes-app.git>