



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 multiple APIs (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:



PROMINEO TECH

```
JS App.js x
src > JS App.js > ...
1 import React from 'react';
2 import '../node_modules/bootstrap/dist/css/bootstrap.min.css';
3 import Button from 'react-bootstrap/Button';
4 import ButtonGroup from 'react-bootstrap/ButtonGroup';
5 import Container from 'react-bootstrap/Container';
6 import Navbar from 'react-bootstrap/Navbar';
7 import {
8   BrowserRouter as Router,
9   Switch,
10  Route,
11  Link,
12 } from 'react-router-dom';
13 import CupcakesPage from './Cupcakes';
14 import DonutsPage from './Donuts';
15 import CookiesPage from './Cookies';
16
17 export default function App() {
18   return (
19     <Router>
20     <>
21     <Navbar bg="light" variant="light">
22       <Container fluid sm>
23         <Navbar.Brand href="#home">
24           { ' '}
30           Sweet Spot Truck Reviews Page
31         <div>
32           <ButtonGroup>
33             <Button variant="outline-primary">
34               <Link to="/">Home</Link>
35             </Button>
36             <Button variant="outline-primary">
37               <Link to="/cupcakes">Cupcakes</Link>
38             </Button>
39             <Button variant="outline-primary">
40               <Link to="/donuts">Donuts</Link>
41             </Button>
42             <Button variant="outline-primary">
43               <Link to="/cookies">Cookies</Link>
44             </Button>
45           </ButtonGroup>
46
47           <Switch>
48             <Route path="/cookies">
49               <CookiesPage />
50             </Route>
51             <Route path="/donuts">
52               <DonutsPage />
53             </Route>
54             <Route path="/cupcakes">
55               <CupcakesPage />
56             </Route>
57             <Route path="/">
58               <Home />
59             </Route>
60           </Switch>
61         </div>
62       </Navbar.Brand>
63     </Navbar>
64   </>
65   </Router>
66 );
67 }
68
69 function Home() {
70   return (
71     <div>
72       <h2 className="h2home">Sweet Spot Truck Reviews Page</h2>
73       <p>Welcome to the Sweet Spot Truck reviews website! This is a website for the Sweet Spot Truck customers that would like to leave a review of their products!</p>
74     </div>
75   )
76 }
```



PROMINEO TECH

```
JS Cookies.js X
src > JS Cookies.js > [0] cookiesMenu > description
1 import React from 'react';
2 import Review from './components/review components/review';
3 import Card from 'react-bootstrap/Card';
4 import Alert from 'react-bootstrap/Alert';
5 import {
6   Switch,
7   Route,
8   Link,
9   useRouteMatch
10 } from 'react-router-dom';
11
12 const cookiesMenu = [
13   {
14     id: 1,
15     name: "Mint Brownie",
16     description: "For those who love brownies with a cool minty zing-all topped with a chocolate ganache."
17   },
18   {
19     id: 2,
20     name: "Sea Salt Toffee",
21     description: "A delicious infusion of toffee and milk chocolate chips, topped off with a dash of sea salt."
22   },
23   {
24     id: 3,
25     name: "Peanut Butter Cookies & Cream",
26     description: "The smoothness of chocolate and peanut butter with the sweet crunch of cookies and cream bits."
27   },
28   {
29     id: 4,
30     name: "Sugar (Gold Coin)",
31     description: "Some sweet, vanilla smoothness with a gold chocolate coin. Don't spend it all in one place."
32   },
33   {
34     id: 5,
35     name: "Original ft. Lucky Charms",
36     description: "Inspired by the iconic cereal-rich with white chocolate chips, vanilla marshmallow frosting, and Lucky Charms marshmallows sprinkled on top."
37   },
38 ];
39
```



PROMINEO TECH

```
40 const CookiesPage = () => {
41
42   const match = useRouteMatch();
43   const findCookieById = (id) =>
44     cookiesMenu.filter((cookie) => cookie.id === id)[0];
45   return (
46     <div>
47       <h2>Cookies</h2>
48
49       {cookiesMenu.map((cookie, index) => {
50         return (
51           <Alert key={index} variant="primary">
52             <Link to={` ${match.url}/${cookie.id}`} >
53               {cookie.name}
54             </Link>
55           </Alert>
56         );
57       })}
58
59       <Switch>
60         <Route
61           path={` ${match.path}/${cookieMenuId}`}
62           render={({props}) => (
63             <Cookie
64               {...props}
65               data={findCookieById(props.match.params.cookieMenuId)}
66             </>
67           )}
68         </Route>
69         <Route path={match.path}>
70           <h3>Please Select an Item.</h3>
71         </Route>
72       </Switch>
73     </div>
74   );
75 }
76
77 function Cookie(props) {
78   const {data} = props;
79   return data == undefined ? <h1>404 Not Found</h1> :(
80     <Card>
81       <Card.Header>{data.name}</Card.Header>
82       <Card.Body>
83         <Card.Subtitle>{data.name}</Card.Subtitle>
84         <Card.Text>{data.description}</Card.Text>
85       </Card.Body>
86     </Card>
87   );
88 }
89
90
91 export default CookiesPage
```



PROMINEO TECH

```
JS Cupcakes.js X
src > JS Cupcakes.js > Cupcake
1 import React from 'react';
2 import Review from './components/review components/review';
3 import Card from 'react-bootstrap/Card';
4 import Alert from 'react-bootstrap/Alert';
5
6 import {
7   Switch,
8   Route,
9   Link,
10  useRouteMatch
11 } from 'react-router-dom';
12
13
14 const cupcakesMenu = [
15   {
16     id: 1,
17     name: "Cookies N' Cream",
18     description: "Double creme filled chocolate cake and OREO® Cookie Frosting!",
19   },
20   {
21     id: 2,
22     name: "Lemon Crumble",
23     description: "Sweet lemon cake filled with tangy whipped cream, topped in smooth cream cheese rimmed in crumbled lemon shortbread."
24   },
25   {
26     id: 3,
27     name: "Midnight Magic",
28     description: "Super moist semi-sweet chocolate cake topped with silky chocolate buttercream and a handful of tasty chocolate chips."
29   },
30   {
31     id: 4,
32     name: "Peach Blossom",
33     description: "Sweet peach cake frosted with simply peach buttercream."
34   },
35   {
36     id: 5,
37     name: "Scarlett's Red Velvet",
38     description: "Rich scarlet red chocolate cake filled with creamy vanilla topped with our classic cream cheese frosting."
39   },
40 ];
41
```



PROMINEO TECH

```
JS Cupcakes.js X
src > JS Cupcakes.js > Cupcake

42 const CupcakesPage = () => {
43   const match = useRouteMatch();
44   const findCupcakeById = (id) =>
45     cupcakesMenu.filter((cupcake) => cupcake.id == id)[0];
46   return (
47     <div className="cupcakebody">
48       <h2>Cupcakes</h2>
49
50       {cupcakesMenu.map((cupcake, index) => {
51         return (
52           <Alert key={index} variant="primary">
53             <Link to={`/${match.url}/${cupcake.id}`}
54               {cupcake.name}
55             </Link>
56           </Alert>
57         );
58       })}
59
60     <Switch>
61       <Route
62         path={`/${match.path}/${cupcakesMenuId}`}
63         render={(props) => (
64           <Cupcake
65             {...props}
66             data={findCupcakeById(props.match.params.cupcakesMenuId)}
67           />
68         )}
69       />
70       <Route path={match.path}>
71         <h3>Please Select an Item.</h3>
72       </Route>
73     </Switch>
74   </div>
75 );
76 }
77
78 function Cupcake(props) {
79   const {data} = props;
80   return data == undefined ? <h1>404 Not Found</h1> :(
81     <Card>
82       <Card.Header>{data.name}</Card.Header>
83       <Card.Body>
84         <Card.Subtitle>{data.name}</Card.Subtitle>
85         <Card.Text>{data.description}</Card.Text>
86         <Review />
87       </Card.Body>
88     </Card>
89   );
90 }
91
92 export default CupcakesPage;
```



PROMINEO TECH

```
JS Donuts.js X
src > JS Donuts.js > @ DonutsPage
1 import React from 'react';
2 import Review from '../components/review components/review';
3 import Card from 'react-bootstrap/Card';
4 import Alert from 'react-bootstrap/Alert';
5 import {
6   Switch,
7   Route,
8   Link,
9   useRouteMatch
10 } from 'react-router-dom';
11
12 const donutMenu = [
13   {
14     id: 1,
15     name: "Cinnamon Sugar Cake",
16     description: "A traditional vanilla cake donut, leavened with baking soda. Soft cakey texture. Coated in a mix of cinnamon and sugar."
17   },
18   {
19     id: 2,
20     name: "Lemon Pistachio Old Fashioned ",
21     description: "Blooming cake donut, made with buttermilk and sour cream making it dense, moist, and slightly crunchy. Dough is flavored with lemon and topped with a pistachio glaze."
22   },
23   {
24     id: 3,
25     name: "Double Chocolate Old Fashioned",
26     description: "Blooming chocolate cake donut, made with buttermilk and sour cream making it dense, moist, and slightly crunchy."
27   },
28   {
29     id: 4,
30     name: "Apple Fritter",
31     description: "Fritters are made by using chopped yeast dough, cinnamon sugar, chopped apples and topped with a thin vanilla glaze."
32   },
33   {
34     id: 5,
35     name: "Blueberry Old Fashioned",
36     description: "Blooming cake donut, made with buttermilk and sour cream making it dense, moist, and slightly crunchy. Dough is flavored with a blueberry fruit concentrate."
37   },
38 ];
39
```



PROMINEO TECH

JS Donuts.js X

src > JS Donuts.js > [0] DonutsPage

```
40 const DonutsPage = () => {
41
42   const match = useRouteMatch();
43   const findDonutById = (id) =>
44     donutMenu.filter((donut) => donut.id == id)[0];
45   return (
46     <div>
47       <h2>Donuts</h2>
48
49       {donutMenu.map((donut, index) => {
50         return (
51           <Alert key={index} variant="primary">
52             <Link to={` ${match.url}/${donut.id}`}>
53               {donut.name}
54             </Link>
55           </Alert>
56         );
57       })}
58
59       <Switch>
60         <Route
61           path={` ${match.path}/${donutMenuId}`}
62           render={(props) => (
63             <Donut
64               {...props}
65               data={findDonutById(props.match.params.donutMenuId)}
66             />
67           )}
68         />
69         <Route path={match.path}>
70           <h3>Please Select an Item.</h3>
71         </Route>
72       </Switch>
73     </div>
74   );
75 }
76
77 function Donut(props) {
78   const {data} = props;
79   return data == undefined ? <h1>404 Not Found</h1> :(
80     <Card>
81       <Card.Header>{data.name}</Card.Header>
82       <Card.Body>
83         <Card.Subtitle>{data.name}</Card.Subtitle>
84         <Card.Text>{data.description}</Card.Text>
85         <Review />
86       </Card.Body>
87     </Card>
88   );
89 }
90
91 export default DonutsPage
```




PROMINEO TECH

```
JS form.js X
src > components > review components > JS form.js > [0] Form
1 import React from "react";
2 import { uuid } from "uuidv4";
3
4 export const Form = ({
5   editing,
6   form,
7   reviews,
8   setEditing,
9   setForm,
10  setReviews,
11 }) => {
12   const handleChange = (e) => {
13     const { name, value } = e.target;
14     setForm({ ...form, [name]: value });
15   };
16
17   const handleSubmit = (e) => {
18     e.preventDefault();
19     setReviews([...reviews, form]);
20     setForm({ item: "", review: "", id: uuid() });
21   };
22
23   const handleUpdate = (e) => {
24     e.preventDefault();
25     setEditing(false);
26     const updatedReviews = reviews.map((review) =>
27       review.id === form.id ? form : review
28     );
29     setReviews(updatedReviews);
30     setForm({ item: "", review: "", id: uuid() });
31   };
32
33   return (
34     <form className="form" onSubmit={editing ? handleUpdate : handleSubmit}>
35       <h2>Leave a review</h2>
36       <label htmlFor="Item">Item</label>
37       <input type="text" placeholder="Menu Item" id="item" name="item" value={form.item} onChange={handleChange} />
38       <label htmlFor="Review">Review</label>
39       <textarea placeholder="Leave a review." id="review" name="review" onChange={handleChange} />
40       <button type="submit">{editing ? "Update" : "Submit"}</button>
41     </form>
42   );
43 };
44
45 export default Form;
```



PROMINEO TECH

JS review-list.js X

src > components > review components > JS review-listjs > ...

```
1 import React from 'react'
2 import ReviewItem from "../ReviewItem"
3
4 const ReviewList = ({ reviews, setEditing, setForm, setReviews }) => {
5   const handleDelete = (id) => {
6     const updatedReviews = reviews.filter((review) => review.id !== id);
7     setReviews(updatedReviews);
8   };
9
10  const handleEdit = (id) => {
11    const editedPost = reviews.filter((review) => review.id === id);
12    setForm(editedPost[0]);
13    setEditing(true);
14  };
15
16  return (
17    <div className="reviewList">
18      {reviews.map((review) => (
19        <ReviewItem
20          key={review.id}
21          review={review}
22          handleDelete={handleDelete}
23          handleEdit={handleEdit}
24        />
25      ))}
26    </div>
27  );
28 };
29
30 export default ReviewList;
31
```

JS review.js X

src > components > review components > JS review.js > [e] Review

```
1 import React, { useState } from "react";
2 import ReviewList from "../review-list";
3 import Form from "../form";
4 import "../../../../src/App.css";
5 import { uuid } from "uuidv4";
6
7 const Review = () => {
8   const [reviews, setReviews] = useState([]);
9   const [form, setForm] = useState({item: "", review: "", id: uuid() });
10  const [editing, setEditing] = useState(false);
11
12  return (
13    <div className="appform">
14      <h1>Item Review</h1>
15      <Form editing={editing} form={form} reviews={reviews} setEditing={setEditing} setForm={setForm} setReviews={setReviews} />
16      <ReviewList reviews={reviews} setForm={setForm} setEditing={setEditing} setReviews={setReviews} />
17    </div>
18  );
19 }
20
21 export default Review;
```



PROMINEO TECH

JS ReviewItem.js X

src > components > review components > JS ReviewItem.js > [🔍] ReviewItem

```
1  import React from 'react'
2
3  const ReviewItem = ({ handleDelete, handleEdit, review }) => {
4    return (
5      <div className="reviewItem">
6        <h2>{review.item}</h2>
7        <p>{review.review}</p>
8        <div className="buttons">
9          <button className="btn btn-info" onClick={() => handleDelete(review.id)}>
10             Delete
11          </button>
12          <button className="btn btn-primary" onClick={() => handleEdit(review.id)}>
13             Edit
14          </button>
15        </div>
16      </div>
17    );
18  };
19
20  export default ReviewItem;
```



PROMINEO TECH

```
# App.css X
src > # App.css > body
1  #star-button {
2    background-color: transparent;
3    border: none;
4    outline: none;
5    cursor: pointer;
6  }
7
8  .on {
9    color: #000;
10 }
11
12 .off {
13   color: #ccc;
14 }
15
16 .app {
17   width: 100%;
18   display: flex;
19   flex-direction: column;
20   justify-content: center;
21   align-items: center;
22 }
23
24 .form {
25   border: 1px solid #0d0d0d;
26   box-shadow: 1px 1px #0d0d0d, 2px 2px #0d0d0d;
27   padding: 1rem;
28   width: 20rem;
29 }
30
31 input,
32 textarea,
33 button {
34   display: block;
35   margin: 0.5rem auto 0 auto;
36   padding: 0.25rem 0.5rem;
37 }
38
39 input,
40 textarea {
41   width: calc(100% - 1rem);
42 }
43
44 button {
45   border: 1px solid #0d0d0d;
46   cursor: pointer;
47 }
48
49 h1,
50 h2,
51 h3 {
52   margin: 0 0 1rem 0;
53 }
54
55 .reviewItem {
56   border: 1px solid #0d0d0d;
57   box-shadow: 1px 1px #0d0d0d, 2px 2px #0d0d0d;
58   padding: 1rem;
59   width: 20rem;
60   margin-top: 1rem;
61 }
62
63 body {
64   background-image: url(https://external-content.duckduckgo.com/iu/?u=https%3A%2F%2Ftse4.mm.bing.net%2Fth%3Fid%3D001P_iHdFHuGq0S6c_E0xV4s6YQHaf8%26pid%3DApi&f=1);
65   background-color: #148, 77, 170);
66   background-repeat: no-repeat;
67   background-size: cover;
68 }
69
70
71
72
73 .h2home {
74   text-align: center;
75   color: #175, 8, 180);
76   font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
77 }
```

Screenshots of Running Application:



[Home](#)

[Cupcakes](#)

[Donuts](#)

[Cookies](#)

Sweet Spot Truck Reviews Page

Welcome to the Sweet Spot Truck reviews website! This is a website for the Sweet Spot Truck customers that would like to leave a review of their products!



[Home](#)

[Cupcakes](#)

[Donuts](#)

[Cookies](#)

Cupcakes

[Cookies N' Cream](#)

[Lemon Crumble](#)

[Midnight Magic](#)

[Peach Blossom](#)

[Scarlett's Red Velvet](#)

Please Select an Item.





Cookies N' Cream

Cookies N' Cream

Double creme filled chocolate cake and OREO® Cookie Frosting!

Item Review

Leave a review

Item

Review



Leave a review

Item

Review

Peach Blossom

Delicious!!

Cookies N' Cream

The best!!



PROMINEO TECH

Item Review

Leave a review

Item

Cookies N'Cream

Review

The best!! (EDIT)

Update

Peach Blossom

Delicious!!

Delete

Edit

Cookies N'Cream

The best!! (EDIT)

Delete

Edit



PROMINEO TECH



Sweet Spot Truck Reviews Page

[Home](#) [Cupcakes](#) [Donuts](#) [Cookies](#)

Donuts

[Cinnamon Sugar Cake](#)

[Lemon Pistachio Old Fashioned](#)

[Double Chocolate Old Fashioned](#)

[Apple Fritter](#)

[Blueberry Old Fashioned](#)

Please Select an Item.



Sweet Spot Truck Reviews Page

[Home](#) [Cupcakes](#) [Donuts](#) [Cookies](#)

Cookies

[Mint Brownie](#)

[Sea Salt Toffee](#)

[Peanut Butter Cookies & Cream](#)

[Sugar \(Gold Coin\)](#)

[Original ft. Lucky Charms™](#)

Please Select an Item.



URL to GitHub Repository:

https://github.com/JoanaBarao7/React_Week4_6