

# 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:

- 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.
- Project must meet the following criteria:
  - Use React Router and have at least 3 pages
  - Use React Bootstrap or an alternative styling library
  - Contain at least 10 components
  - Allow for all CRUD operations

## Screenshots of Code:

```
File Edit Selection View Go Run Terminal Help Appjs - Week 6 - Visual Studio Code
EXPLORER
store-app > src > JS Appjs > App > locations
1 import React from 'react';
2 import './node_modules/bootstrap/dist/css/bootstrap.css';
3 import Button from 'react-bootstrap/Button';
4 import ButtonGroup from 'react-bootstrap/ButtonGroup';
5 import Container from 'react-bootstrap/Container';
6 import {BrowserRouter as Router, Switch, Route, Link, useRouteMatch} from 'react-router-dom';
7
8 export default function App() {
9   const locations = [
10     {
11       id: 1,
12       name: 'Orlando, FL',
13       attraction: 'DisneyWorld',
14       season: 'Spring',
15       description: 'Tons of fun for the family!'
16     },
17     {
18       id: 2,
19       name: 'Las Vegas, NV',
20       attraction: 'Shows',
21       season: 'Fall',
22       description: 'Come for world-class entertainment you can't get anywhere else!'
23     },
24     {
25       id: 3,
26       name: 'Los Angeles, CA',
27       attraction: 'Beaches',
28       season: 'Summer',
29       description: 'Soak up the fun under the California sun!'
30     },
31     {
32       id: 4,
33       name: 'New York, NY',
34       attraction: 'Museums',
35       season: 'Fall',
36       description: 'Come learn and explore one of the greatest cities in the world!'
37     }
38   ];
39 }
40
```

```
File Edit Selection View Go Run Terminal Help Appjs - Week 6 - Visual Studio Code
EXPLORER
store-app > src > JS Appjs > App > locations
41
42 return (
43   <Container>
44     <Router>
45       <div>
46         <ButtonGroup>
47           <Button variant="outline-secondary">
48             <Link to="/">Home</Link>
49           <Button variant="outline-secondary">
50             <Link to="/locations">Travel Locations</Link>
51           <Button variant="outline-secondary">
52             <Link to="/prices">Prices</Link>
53           <Button variant="outline-secondary">
54             <Link to="/contact">Contact Us</Link>
55         </ButtonGroup>
56         <Switch>
57           <Route exact path="/">
58             <div>
59               <h1>Hunter Travel Agency</h1>
60               <Button variant="outline-primary">Plan Your Next Vacation</Button>
61             </div>
62           </Route>
63           <Route path="/locations">
64             <div>
65               <h2>Travel Locations</h2>
66               <ul>
67                 <li><Link to="/locations/1">Orlando, FL</Link></li>
68                 <li><Link to="/locations/2">Las Vegas, NV</Link></li>
69                 <li><Link to="/locations/3">Los Angeles, CA</Link></li>
70                 <li><Link to="/locations/4">New York, NY</Link></li>
71               </ul>
72             </div>
73           </Route>
74           <Route path="/prices">
75             <div>
76               <h2>Travel Prices</h2>
77             </div>
78           </Route>
79           <Route path="/contact">
80             <div>
81               <h2>Contact Us</h2>
82             </div>
83           </Route>
84         </Switch>
85       </div>
86     </Router>
87   </Container>
88 </return>
89
```

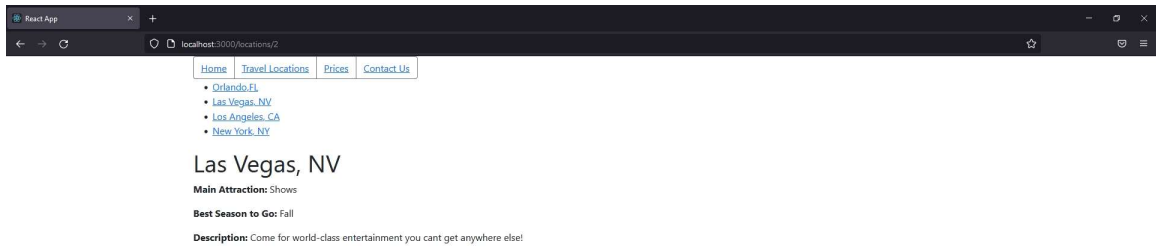
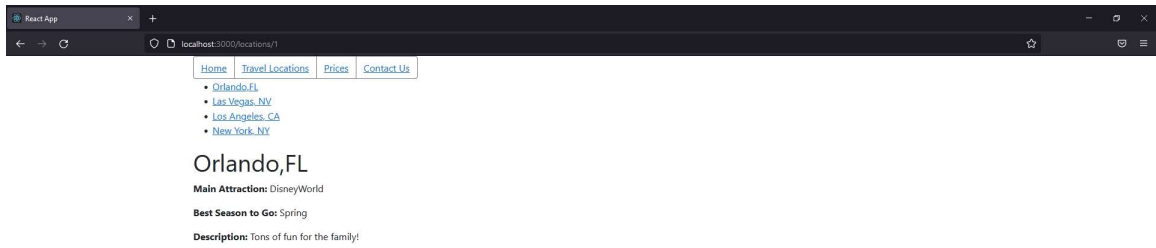
```
File Edit Selection View Go Run Terminal Help Appjs - Week 6 - Visual Studio Code
EXPLORER
store-app > src > JS Appjs > App > locations
90
91 function Home() {
92   return (
93     <div>
94       <h1>Hunter Travel Agency</h1>
95       <Button variant="outline-primary">Plan Your Next Vacation</Button>
96     </div>
97   );
98 }
99
100 (parameter) locations: any
101
102 function locations({ locations }) {
103   const match = useRouteMatch();
104   const findLocationById = (id) => locations.filter(location => location.id === id)[0];
105
106   return (
107     <div>
108       <ul>
109         <li><Link to="/locations/1">Orlando, FL</Link></li>
110         <li><Link to="/locations/2">Las Vegas, NV</Link></li>
111         <li><Link to="/locations/3">Los Angeles, CA</Link></li>
112         <li><Link to="/locations/4">New York, NY</Link></li>
113       </ul>
114     </div>
115   );
116 }
117
```

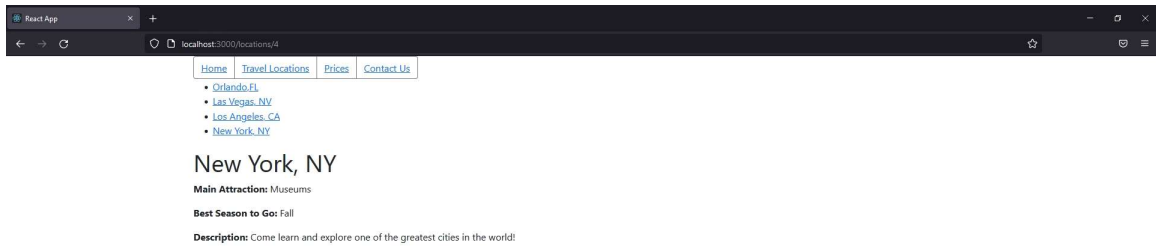
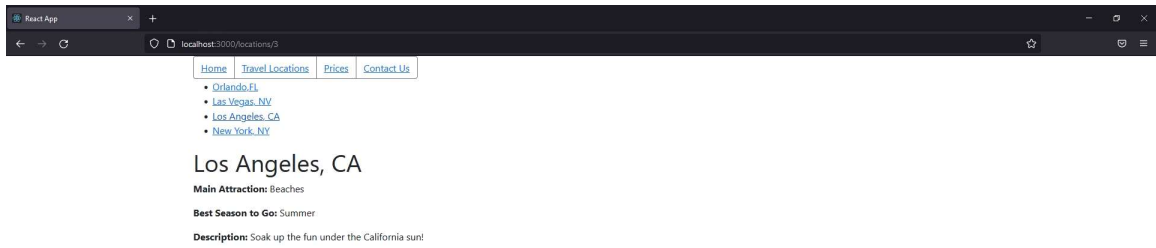
```
store-app > src > .\App.js > App > |@ locations
112
113
114 function Location(props){
115   const (data) = props;
116   return (
117     <div>
118       <h1>{data.name}</h1>
119       <p><b>Main Attraction:</b> {data.attraction}</p>
120       <p><b>Best Season to Go:</b> {data.season}</p>
121       <p><b>Description:</b> {data.description}</p>
122     </div>
123   );
124 };
125
126 function Prices(){
127   return (
128     <div>
129       <h1>Price Packages</h1>
130       <p>All Inclusive Package (1 Week): $2,000 for 2</p>
131       <p>All Inclusive Package (1 Week): $4,000 for a family of 4</p>
132       <p>Packages include airfare, hotel, and rideshare or car rental service.</p>
133       <p>Contact us for further details.</p>
134     </div>
135   );
136 };
137
138 function Contact(){
139   return (
140     <Container>
141       <div>
142         <h1>Contact Us</h1>
143         <form id="contact-form">
144           <div className="form-group">
145             <label htmlFor="name">Name</label>
146             <input type="text" className="form-control" />
147           </div>
148           <div className="form-group">
149             <label htmlFor="exampleInputEmail1">Email Address</label>
150             <input type="email" className="form-control" aria-describedby="emailHelp" />
151           </div>
152           <div className="form-group">
153             <label htmlFor="message">Message</label>
154             <textarea className="form-control" rows="5"></textarea>
155           </div>
156           <button type="submit" className="btn btn-primary">Submit</button>
157         </form>
158       </div>
159     </Container>
160   );
161 }
```

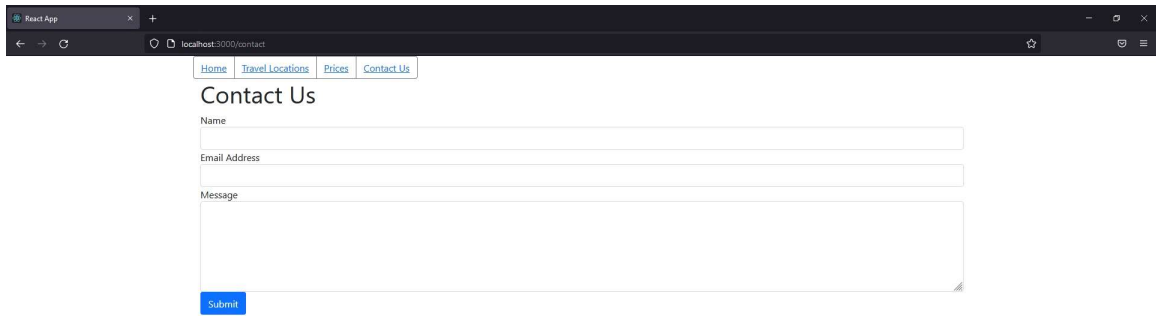
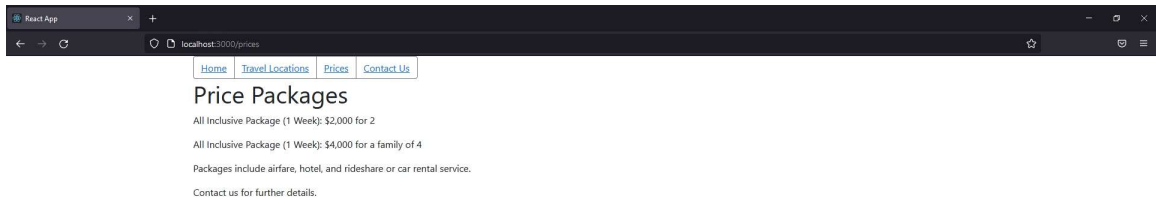
```
store-app > src > .\App.js > App > |@ locations
120
121
122 function Location(props){
123   const (data) = props;
124   return (
125     <div>
126       <h1>{data.name}</h1>
127       <p><b>Main Attraction:</b> {data.attraction}</p>
128       <p><b>Best Season to Go:</b> {data.season}</p>
129       <p><b>Description:</b> {data.description}</p>
130     </div>
131   );
132 };
133
134 function Prices(){
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147   return (
148     <Container>
149       <div>
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153             <label htmlFor="name">Name</label>
154             <input type="text" className="form-control" />
155           </div>
156           <div className="form-group">
157             <label htmlFor="exampleInputEmail1">Email Address</label>
158             <input type="email" className="form-control" aria-describedby="emailHelp" />
159           </div>
160           <div className="form-group">
161             <label htmlFor="message">Message</label>
162             <textarea className="form-control" rows="5"></textarea>
163           </div>
164           <button type="submit" className="btn btn-primary">Submit</button>
165         </form>
166       </div>
167     </Container>
168   );
169 }
```

Screenshots of Running Application:









**URL to GitHub Repository:**

<https://github.com/MonicaHunter0812/finalproject>