



Web App Design with React Week 14 Coding Assignment

Points possible: 75

URL to GitHub Repository:

<https://github.com/dmoylan1/week14Project.git>

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 what you've learned this week, create a page of an application that enables users to vote and leave reviews on movies.
2. You should include at least the following components:
 - a. MovieList – a container for all the Movie components and their data.
 - b. Movie – a component that represents movie data (i.e. image, synopsis, rating, etc...)
 - c. Stars – a one to five-star rating component that allows users to rate something (movies in this case, but remember that components are reusable, so you could use it elsewhere!)
 - d. ReviewList – a container inside of a Movie that houses Review components.
 - e. Review – A text review a user can leave on a movie.
 - f. ReviewForm – a form at the bottom of a Movie component that allows users to leave reviews. When submitted, the review should be added to the movie. All this data can be stored in an array, no networking or database needed for this assignment.

Screenshots of Code:



PROMINEO TECH

Index.js

```
JS movie-list.js × JS review-list.js JS index.js × JS movie.js JS review-form.js JS
src > JS index.js > ...
 1  import React from 'react';
 2  import ReactDOM from 'react-dom/client';
 3  import '../node_modules/bootstrap/dist/css/bootstrap.css';
 4  import './index.css';
 5  import App from './App';
 6  import ReviewList from './components/review-list';
 7  import reportWebVitals from './reportWebVitals';
 8  import MovieList from './components/movie-list';
 9
10  const root = ReactDOM.createRoot(document.getElementById('root'));
11  root.render(
12    <MovieList />,
13  );
14
15
16
17  // If you want to start measuring performance in your app, pass a function
18  // to log results (for example: reportWebVitals(console.log))
19  // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
20  reportWebVitals();
21
```

movie-list.js



PROMINEO TECH

```
JS movie-list.js X JS review-list.js JS index.js JS movie.js JS review-form.js JS
src > components > JS movie-list.js > MovieList > render > reviews
1 import React from 'react';
2 import Movie from './movie';
3
4
5 export default class MovieList extends React.Component {
6   render() {
7
8     let reviews = [
9       {
10        content: 'Best movie of the year!',
11        username: 'Rotten Tomatoes',
12        date: '4-24-1979'
13      },
14      {
15        content: 'Simply amazing.',
16        username: 'Critiques',
17        date: '11-06-2014'
18      },
19      {
20        content: 'A classic for sure',
21        username: 'Steven Spealburg',
22        date: '9-25-2017'
23      }
24    ];
25    return (
26      <div className="container">
27        <Movie {...{review: reviews}}/>
28        <Movie />
29        <Movie />
30      </div>
31    );
32  }
33 }
```

movie.js



PROMINEO TECH

```
JS movie-list.js JS review-list.js JS index.js JS movie.js X JS review-form.js JS stars-container.js JS stars.js JS submit-button.js JS
src > components > JS movie.js > Movie > render
1 import React from 'react';
2 import ReviewList from './review-list';
3 import Review from './review';
4
5 export default class Movie extends React.Component {
6   constructor(props) {
7     super(props);
8     this.state = {
9       name: props.name,
10      release: props.release,
11      synopsis: props.synopsis
12    }
13  }
14  render() {
15    let movies = [
16      {
17        name: 'Bambi',
18        release: '8-21-1942',
19        synopsis: 'A young deer named Bambi joins with his friends to explore their forest home.'
20      },
21      {
22        name: 'Beauty and the Beast',
23        release: '11-22-1991',
24        synopsis: 'A beautiful young girl is taken captive by a horrible beast. She falls in love with him and breaks the curse af
25      },
26      {
27        name: 'Lion King',
28        release: '6-24-1994',
29        synopsis: 'After losing his father in a tragic way, a young lion returns home to save his land and his people.'
30      }
31    ];
32
33    let reviews;
34    if (this.state.reviews) {
35      reviews = this.state.reviews.map((review, index) => <Review key={index} {...review} />);
36    }
37
38    return (
39      <div className="card w-75">
40        <div className="card-header bg-primary text-white">
41          Movie Title: {this.props.name} Release Date: {this.props.release}
42        </div>
43        <div className="card-body">
44          {this.props.synopsis}
45        </div>
46        <div className="card-footer">
47          {reviews}
48        </div>
49        <div>
50          <ReviewList />
51        </div>
52      </div>
53    );
54  }
55 }
56
```

review-list.js



PROMINEO TECH

```
JS movie-list.js × JS review-list.js × JS index.js JS movie.js JS review-fo
src > components > JS review-list.js > ReviewList > render
1  import React from 'react';
2  import Review from './review';
3  import StarsContainer from './stars-container';
4  import ReviewForm from './review-form';
5
6  export default class ReviewList extends React.Component {
7    render() {
8      return (
9        <div>
10          <StarsContainer />
11          <ReviewForm />
12        </div>
13      );
14    }
15  }
```

review.js



PROMINEO TECH

```
src > components > JS review.js > Review > render
1  import React from 'react';
2  import SubmitButton from './submit-button';
3
4  export default class Review extends React.Component {
5    render() {
6      return (
7        <div className="card w-75">
8          <div className="card-header bg-success text-white">
9            {this.props.name} {this.props.release}
10         </div>
11         <div className="card-body">
12           {this.props.synopsis}
13         </div>
14         <div className="card-footer">
15           <SubmitButton />
16         </div>
17       </div>
18     );
19   }
20 }
```

review-form.js

```
src > components > JS review-form.js > ReviewForm > render
1  import React from 'react';
2  import SubmitButton from './submit-button';
3
4  export default class ReviewForm extends React.Component {
5    render() {
6      return (
7        <div className="card w-75 border container">
8          <div className="card-header bg-secondary">
9            <div className="text-white">Enter Review:</div>
10         </div>
11         <div className="card-body">
12           <input className="w-100" name="review" type="text"></input>
13         </div>
14         <div className="card-footer">
15           <SubmitButton />
16         </div>
17       </div>
18     );
19   }
20 }
```



PROMINEO TECH

stars.js

```
× JS review-list.js JS index.js JS movie.js JS review-form.js JS
src > components > JS stars.js > Stars > render
1  import React from 'react';
2
3  export default class Stars extends React.Component {
4      constructor(props) {
5          super(props);
6          this.handleClick = this.handleClick.bind(this);
7      }
8
9      handleClick() {
10         this.props.onClick(this.props.name);
11     }
12
13     render() {
14         return (
15             <button
16                 className="btn w-50 btn-primary"
17                 onClick= {this.handleClick}>
18                 {this.props.name} {this.props.count}
19             </button>
20         );
21     }
22 }
```



PROMINEO TECH

stars-container.js

```
JS movie-list.js JS review-list.js JS index.js JS movie.js JS review-form.js JS stars-
src > components > JS stars-container.js > StarsContainer > render
1  import React from 'react';
2  import Stars from './stars';
3
4  export default class StarsContainer extends React.Component {
5    constructor(props) {
6      super(props);
7      this.state = {
8        counts: {},
9      };
10     this.countClicks = this.countClicks.bind(this);
11
12   }
13
14   countClicks(name) {
15     this.setState(state => {
16       state.counts[name]
17       ? state.counts[name] += 1
18       : state.counts[name] = 1;
19
20     return state;
21   });
22 }
23
24 render() {
25   return (
26     <div>
27       <Stars
28         name="stars"
29         count={this.state.counts.stars}
30         onClick={this.countClicks}
31       />
32     </div>
33   );
34 }
35
36 }
```




PROMINEO TECH

Submit-button.js

```
JS movie-list.js JS review-list.js JS index.js JS movie.js JS review-form.js JS
src > components > JS submit-button.js > SubmitButton > render
1   import React from 'react';
2
3   export default class SubmitButton extends React.Component {
4     render() {
5       return <button className="btn btn-secondary">Submit</button>;
6     }
7   }
```

Screenshots of Running Application: