



Web App Design with React Week 2 Coding Assignment

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

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

```
JS movie-app.js X JS movie-list.js JS movie.js JS star-rating.js JS review.js JS review-form.js
movie-app > src > components > JS movie-app.js > MovieApp > render
1 import React from "react";
2 import Movie from "../movie";
3
4 export default class MovieApp extends React.Component {
5   render() {
6
7     let movies = [ // an array of objects containing movies and their properties
8       {
9         title: 'Encanto',
10        image: 'https://lumiere-a.akamaihd.net/v1/images/p_encanto_homeent_22359_4892ae1c.jpeg',
11        synopsis: 'The Madrigals are an extraordinary family who live hidden in the mountains of Colombia in a charmed place called the Encanto. The magic of
12      },
13      {
14        title: 'Moana',
15        image: 'https://lumiere-a.akamaihd.net/v1/images/p_moana_20530_214883e3.jpeg',
16        synopsis: 'An adventurous teenager sails out on a daring mission to save her people. During her journey, Moana meets the once-mighty demigod Maui, who
17      },
18      {
19        title: 'Frozen',
20        image: 'https://lumiere-a.akamaihd.net/v1/images/p_frozen_18373_3131259c.jpeg?region=0%2C0%2C540%2C810',
21        synopsis: 'When their kingdom becomes trapped in perpetual winter, fearless Anna (Kristen Bell) joins forces with mountaineer Kristoff (Jonathan Groff)
22      }
23    ];
24
25    console.log(movies);
26    // console.log(review);
27
28    return (
29      <div>
30        <Movie {...movies} />
31        /* Passing in an array of objects(movies) into the component Movie which gives each object a unique key */
32      </div>
33    );
34  }
35 }
36
37
38 }
```

```
JS movie-app.js JS movie-list.js X JS movie.js JS star-rating.js JS review.js JS review-form.js
movie-app > src > components > JS movie-list.js > ...
1 import React from "react";
2 import StarRating from "../star-rating";
3 import Review from "../review";
4
5
6
7 export default class MovieList extends React.Component {
8   render() {
9
10    return(
11      <div className="container my-5">
12        <div className="card">
13          <h1 className="display-heading text-center mt-4">
14            {this.props.title} <br/>
15          </h1>
16          <div className="card-body text-center">
17            <img src={this.props.image} className="image" height = "500px"/><br/><br/>
18            {this.props.synopsis}
19          </div>
20          <div className="card-footer">
21            <StarRating />
22            <Review />
23          </div>
24        </div>
25      </div>
26    );
27  }
28 }
```



PROMINEO TECH

```
JS movie-app.js JS movie-list.js JS movie.js X JS star-rating.js JS review.js JS review-form.js
movie-app > src > components > JS movie.js > ...
1 import React from "react";
2 import MovieList from "../movie-list";
3
4 export default class Movie extends React.Component {
5   constructor(props) {
6     super(props);
7     this.state = {
8       movies: props.movies // gives access to movies and its properties at current state (although this has been hard-coded)
9     };
10  }
11
12  render() {
13
14    let movies;
15    if(this.state.movies) {
16      movies = this.state.movies.map((currentMovie, index) => <MovieList key={index} {...currentMovie} />);
17    }
18    // setting the elements array index as the key
19    // map through the array movies, take the currentMovie and it's index, for each instance of MovieList attach key=index to the currentMovie
20
21    return(
22      <div>
23        {movies}
24        /* Returning each object(movie) within movies with a unique key*/
25      </div>
26    )
27  }
28 }
29
30 }
```

```
JS movie-app.js JS movie-list.js JS movie.js JS star-rating.js X JS review.js JS review-form.js
movie-app > src > components > JS star-rating.js > ...
1 import React from "react";
2 import { FaStar } from "react-icons/fa";
3
4
5 export default class StarRating extends React.Component {
6
7   constructor(props){
8     super(props);
9     this.state = {
10       ratings: 0
11     };
12     this.handleRating = this.handleRating.bind(this);
13   }
14
15   handleRating() {
16     this.setState(state => ({ratings: state.ratings + 1}));
17   }
18
19   render() {
20
21     return <div>
22
23       {[ ...Array(5)].map((star, index) => {
24         const ratingValue = index + 1;
25         const rating = this.state.ratings;
26
27         console.log(ratingValue);
28         console.log(this.state.ratings);
29
30         return <label className="">
31           <input type="radio" name="rating" value={ratingValue} onClick={this.handleRating}/>
32           <FaStar className="star" color={ratingValue <= rating ? "#ffc107" : "#e4e5e9"} key={ratingValue} size={25} />
33         </label>;
34       )]}
35     </div>
36
37   }
38 }
```



PROMINEO TECH

```
JS movie-app.js JS movie-list.js JS movie.js JS star-rating.js JS review.js X JS review-form.js
movie-app > src > components > JS review.js > ...
1 import React from "react";
2 import ReviewForm from "../review-form";
3
4 export default class Review extends React.Component{
5
6   constructor(props){
7     super(props);
8     this.state = {
9       reviews: props.reviews
10    }
11  }
12
13  handleCallback = (reviewData) => { this.setState({reviews: reviewData}); } // retrieves data from ReviewForm
14
15  render() {
16
17    let {reviews} = this.state;
18    console.log({reviews});
19
20    return(
21      <div>
22        <div>
23          {reviews}
24          /* Displaying the reviews */
25        </div><br/>
26
27        <div>
28          <ReviewForm handleCallback = {this.handleCallback}/>
29          /* Passing the callback function to the ReviewForm as props from the Review */
30        </div>
31      </div>
32    )
33  }
34
35 }
36
37
38 }
```

```
JS movie-app.js JS movie-list.js JS movie.js JS star-rating.js JS review.js JS review-form.js X
movie-app > src > components > JS review-form.js > ...
1 import React from "react";
2
3 export default class ReviewForm extends React.Component{
4
5   onTrigger = (event) => {
6     this.props.handleCallback(event.target.newReview.value);
7     event.preventDefault();
8   }
9
10  render(){
11
12    return(
13      //ReviewForm calls the Review's callback function using props and passes the data to Review
14
15      <div>
16        <form onSubmit = {this.onTrigger}>
17
18          <textarea className="form-control" rows="3" type="text" name="newReview" placeholder="Enter Review"/> <br/>
19          <button className="btn btn-secondary btn-sm float-right mb-2" type="submit" value="Submit"> post review </button>
20
21        </form>
22      </div>
23    )
24  }
25
26 }
27
28
29
30
31
32
```

Screenshots of Running Application:



Encanto



The Madrigals are an extraordinary family who live hidden in the mountains of Colombia in a charmed place called the Encanto. The magic of the Encanto has blessed every child in the family with a unique gift -- every child except Mirabel. However, she soon may be the Madrigals last hope when she discovers that the magic surrounding the Encanto is now in danger.



Loved this this movie! Hope to see a part 2.

post review



PROMINEO TECH

Moana



An adventurous teenager sails out on a daring mission to save her people. During her journey, Moana meets the once-mighty demigod Maui, who guides her in her quest to become a master way-finder. Together they sail across the open ocean on an action-packed voyage, encountering enormous monsters and impossible odds. Along the way, Moana fulfills the ancient quest of her ancestors and discovers the one thing she always sought: her own identity.



The village rooster is the funniest!

Enter Review

post review

URL to GitHub Repository:

<https://github.com/zenidev/Coding-Assignment-Week-14.git>