



## Week 14: Coding Assignment

**URL to GitHub Repository:**

<https://github.com/Rcruzn33/movieReviewApp.git>

**URL to Your Coding Assignment Video:**

<https://youtu.be/26fmDkS0M5E>

### Instructions:

- In Visual Studio Code, write the code that accomplishes the objectives listed below and ensures that the code compiles and runs as directed.
- Create a new repository on GitHub for this week's assignments and push this document, with your project code, to the repository.
- Include the URLs for this week's repository and video where instructed.
- Submit this document as a .PDF file in the LMS.

### Coding Steps:

- Using what you've learned this week, create a page of an application that enables users to vote and leave reviews on movies.
- You should include at least the following components:
  - **MovieList**: a container for all the Movie components and their data.
  - **Movie**: a component that represents movie data (i.e. image, synopsis, rating, etc...)
  - **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!)
  - **ReviewList**: a container inside of a Movie that houses Review components.
  - **Review**: A text review a user can leave on a movie.
  - **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.



## Week 14: Coding Assignment

### Video Steps:

- Create a video, up to five minutes max, showing and explaining how your project works with an emphasis on the portions you contributed.
- This video should be done using screen share and voice over.
- This can easily be done using Zoom, although you don't have to use Zoom, it's just what we recommend.
  - You can create a new meeting, start screen sharing, and start recording.
  - This will create a video recording on your computer.
- This should then be uploaded to a publicly accessible site, such as YouTube.
  - Ensure the link you share is **PUBLIC** or **UNLISTED**!
  - If it is not accessible by your grader, your project will be graded based on what they can access.



# PROMINEO TECH

## Week 14: Coding Assignment

```
src > JS App.js > App
66 id: 8,
67 Poster: "https://m.media-amazon.com/images/H/MV5B7YrMzYzZjE2NDQyZS00MDYxLTk0MDctNGJlZjY0ODExMDE5XkFqcGdeQXVyMTI2ODk3NTM@._V1_SX300.jpg",
68 review: [],
69 },
70 {
71   Title: "Missing in Action 2: The Beginning",
72   Year: 1985,
73   Id: 9,
74   Poster: "https://m.media-amazon.com/images/H/MV5B0TFhITd1NDQyZS00MDYxLTk0MDctNGJlZjY0ODExMDE5XkFqcGdeQXVyMTI2ODk3NTM@._V1_SX300.jpg",
75   review: [],
76 },
77 {
78   Title: "Class Action",
79   Year: 1991,
80   Id: 10,
81   Poster: "https://m.media-amazon.com/images/H/MV5B0TFhITd1NDQyZS00MDYxLTk0MDctNGJlZjY0ODExMDE5XkFqcGdeQXVyMTI2ODk3NTM@._V1_SX300.jpg",
82   review: [],
83 },
84 ]))
85
86 return (
87   <div /*movie list*/>
88     {movie.map((movie, index) => (
89       <div key={index}>
90         <Movie data={movie} />
91       </div>
92     ))}
93   </div>
94 );
95
96 export default App;
97
98 // addNewReview={addNewReview()}
99 // deleteReview={deleteReview()}
100
101
```

```
src > components > JS Movie.js > Movie
1 import React from 'react';
2 import NewReviewForm from './reviewForm';
3 import styles from './Movies.module.css';
4
5
6
7
8
9
10 const Movie = (props) => {
11   return (
12     <div className={styles.movies}>
13       <div /*Movie component*/>
14         <h1> {props.data.Title}</h1>
15         <h2> {props.data.Year}</h2>
16         <img src={props.data.Posters} alt={props.data.Title} />
17       </div>
18       <div className={styles.center}>
19         <NewReviewForm data={props.data} />
20       </div>
21     </div>
22   );
23 }
24
25 export default Movie;
26
27
28
```



# PROMINEO TECH

## Week 14: Coding Assignment

```
1 import React, { useState } from "react";
2 import StarRating from "../StarRating";
3
4 //sets the state values
5 const NewReviewForm = (props) => {
6   const [allReviews, setAllReviews] = useState(props.data.reviews);
7   const [review, setReview] = useState("");
8   const [rating, setRating] = useState(0);
9   const [allRatings, setAllRatings] = useState([]);
10
11   //handles submission of the form
12   const onSubmit = (e) => {
13     e.preventDefault();
14     const newReview = {
15       review: review,
16       rating: rating
17     };
18     setAllReviews([...allReviews, newReview]);
19     setReview("");
20     setRating(0);
21   };
22
23   //handles the star button clicks
24   const onStarClick = (ratingValue) => {
25     setRating(ratingValue);
26     setAllRatings([...allRatings, ratingValue]);
27   };
28
29   //handles deletion of a review
30   const onDelete = (reviewToDelete) => {
31     const updatedReviews = allReviews.filter(
32       (review) => review !== reviewToDelete
33     );
34   };
35
36   return (
37     <div>
38       <div>
39         <input type="text" value={review} onChange={setReview} />
40         <StarRating rating={rating} onStarClick={onStarClick} />
41       </div>
42       <div>
43         <input type="text" value={review} onChange={setReview} />
44         <input type="button" value="Add Review" onClick={onSubmit} />
45       </div>
46     </div>
47   );
48 };
49
50 export default NewReviewForm;
```

```
1 import React, { useState } from "react";
2 import StarRating from "../StarRating";
3
4 //sets the state values
5 const NewReviewForm = (props) => {
6   const [allReviews, setAllReviews] = useState(props.data.reviews);
7   const [review, setReview] = useState("");
8   const [rating, setRating] = useState(0);
9   const [allRatings, setAllRatings] = useState([]);
10
11   //handles submission of the form
12   const onSubmit = (e) => {
13     e.preventDefault();
14     const newReview = {
15       review: review,
16       rating: rating
17     };
18     setAllReviews([...allReviews, newReview]);
19     setReview("");
20     setRating(0);
21   };
22
23   //handles the star button clicks
24   const onStarClick = (ratingValue) => {
25     setRating(ratingValue);
26     setAllRatings([...allRatings, ratingValue]);
27   };
28
29   //handles deletion of a review
30   const onDelete = (reviewToDelete) => {
31     const updatedReviews = allReviews.filter(
32       (review) => review !== reviewToDelete
33     );
34   };
35
36   return (
37     <div>
38       <div>
39         <input type="text" value={review} onChange={setReview} />
40         <StarRating rating={rating} onStarClick={onStarClick} />
41       </div>
42       <div>
43         <input type="text" value={review} onChange={setReview} />
44         <input type="button" value="Add Review" onClick={onSubmit} />
45       </div>
46     </div>
47   );
48 };
49
50 export default NewReviewForm;
```



# PROMINEO TECH

## Week 14: Coding Assignment

```
1 import React, {useState} from 'react';
2 import './Rating.css';
3
4 const StarRating = ({ rating, onStarClick }) => {
5   const [hover, setHover] = useState(0);
6   return (
7     <div className="star-rating"> { /*stars component*/ }
8     [...Array(5)].map((star, index) => {
9       index += 1;
10      return (
11        <button
12          type="button"
13          key={index}
14          className={index <= (hover || rating) ? "on" : "off"}
15          onClick={() => onStarClick(index)}
16          onMouseEnter={() => setHover(index)}
17          onMouseLeave={() => setHover(rating)}
18        >
19          <span className="star">&#9733;</span>
20        </button>
21      );
22    });
23   </div>
24 );
25 };
26
27
28 export default StarRating;
```