



Web App Design with React Week 14 Coding Assignment

Points possible: 75

URL to GitHub Repository:

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. **[yes]**
 - b. Movie – a component that represents movie data (i.e. image, synopsis, rating, etc...) **[used free API]**
 - 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!) **[I integrated my Stars component into my ReviewForm]**
 - d. ReviewList – a container inside of a Movie that houses Review components. **[Yes]**
 - e. Review – A text review a user can leave on a movie. **[Yes]**
 - 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. **[Yes]**



PROMINEO TECH

Screenshots of Code:

```
JS MovieList.js X JS MovieListHeading.js JS ReviewForm.js JS ReviewList.js JS App.js JS index.js JS SearchBox.js
react-movie-app > src > components > JS MovieList.js > ...
1  import React from 'react';
2  import ReviewForm from './ReviewForm';
3
4  //This is my MovieList component.
5  const MovieList = (props) => {
6
7
8      return (
9
10         <div>
11             {props.movies.map((movie, index) => (
12                 <div className="container" key={index}>
13                     <div className="row">
14                         <div className="col-md-2 image-container m-4">
15                             <img src={movie.Poster} alt="movie" width="150px"/></div>
16                         <div className="col-md-10 justify-content-start m-4">
17                             <h2>{movie.Title}</h2>
18                             <ReviewForm />
19                         </div>
20                     </div>
21                 </div>
22             ))}
23         </div>
24     );
25 };
26
27 export default MovieList;
```

```
JS MovieList.js JS MovieListHeading.js X JS ReviewForm.js JS ReviewList.js JS App.js JS index.js JS SearchBox.js
react-movie-app > src > components > JS MovieListHeading.js > ...
1  import React from 'react';
2
3  //This is my MovieList heading.
4  const MovieListHeading = (props) => {
5      return (
6          <div className='col'>
7              <h1>{props.heading}</h1>
8          </div>
9      );
10 };
11
12 export default MovieListHeading;
```



PROMINEO TECH

```
JS MovieList.js JS MovieListHeading.js JS ReviewForm.js X JS ReviewList.js JS App.js JS index.js JS SearchBox.js
react-movie-app > src > components > JS ReviewForm.js > ...
1  import React from "react";
2
3
4  //My ReviewForm Component has most of the App's functionality.
5  class ReviewForm extends React.Component {
6    constructor(props) {
7      super(props);
8      this.state = { addReview: "", reviews: [{ name: "" }] };
9      this.addValue = this.addValue.bind(this);
10     this.updateInput = this.updateInput.bind(this);
11   }
12
13   addValue(event) {
14     event.preventDefault();
15
16     let reviews = this.state.reviews;
17     let addReview = this.state.addReview;
18     reviews.push({ name: addReview });
19     this.setState({ reviews: reviews });
20     console.log(reviews);
21   }
22
23   updateInput(event) {
24     this.setState({ addReview: event.target.value });
25   }
26
27   render() {
28     return (
29       <div class="container mt-5 mb-5" id="review-box">
30         <div>
31           <div id="stars">
32             <h5>Rating: {this.rating}</h5>
33             <select name="star-rating" id="star-rating" onChange={this.updateInput}>
34               <option disabled selected hidden>Select</option>
35               <option value="">&#9733;</option>
36               <option value="*">&#9733; &#9733;</option>
37               <option value="***">&#9733; &#9733; &#9733;</option>
38               <option value="****">&#9733; &#9733; &#9733; &#9733;</option>
39               <option value="*****">&#9733; &#9733; &#9733; &#9733; &#9733;</option>
40             </select>
41             <input
42               class="btn btn-small btn-info m-2"
43               type="submit"
44               value="Submit"
45               onClick={this.addValue}
46             />
47           </div>

```



PROMINEO TECH

```
JS MovieList.js JS MovieListHeading.js JS ReviewForm.js X JS ReviewList.js JS App.js JS index.js JS SearchBox.js
react-movie-app > src > components > JS ReviewForm.js > ...
48     </div>
49     <div class="row">
50       <div class="col-sm">
51         <h1 id="leave-review-head">Leave a Review:</h1>
52         <textarea
53           id="tex-box"
54           type="text"
55           rows="4"
56           cols="50"
57           placeholder="Tell us whether it slapped or stunk."
58           onChange={this.updateInput}
59         />
60         <br />
61         <br />
62         <button
63           className="btn btn-small btn-info m-2"
64           value="Submit"
65           onClick={this.addValue}
66         >Submit
67         </button>
68       </div>
69       <div class="col-sm">
70         <h1 id="reviews-head">Reviews:</h1>
71         <h1>{this.state.value}</h1>
72
73         <p>
74           {
75             this.state.reviews.map(function (val) {
76               return <p key={val.name}>{val.name}</p>;
77             })
78           }
79         </p>
80       </div>
81     </div>
82   </div>
83 );
84 }
85 }
86
87 export default ReviewForm;
```

```
JS MovieList.js JS MovieListHeading.js JS ReviewForm.js JS ReviewList.js X JS App.js JS index.js JS SearchBox.js
react-movie-app > src > components > JS ReviewList.js > ...
1  import React from "react";
2  import ReviewForm from "../ReviewForm";
3
4  ⚠
5  //This is my review list.
6  const ReviewList = (props) => {
7    const reviews = props.reviews;
8    const reviewlist = reviews.map((review) => <li>{review}</li>);
9    return (
10     <
11       <div id="review-list">
12         <ul>{reviewlist}</ul>
13       </div>
14     </>
15   );
16 };
17
18 export default ReviewList;
```



PROMINEO TECH

```
JS MovieList.js JS MovieListHeading.js JS ReviewForm.js JS ReviewList.js JS App.js X JS index.js JS SearchBox.js
react-movie-app > src > JS App.js > ...
1  import React, { useState, useEffect } from 'react';
2  import 'bootstrap/dist/css/bootstrap.min.css';
3  import './App.css';
4  import MovieList from './components/MovieList';
5  import MovieListHeading from './components/MovieListHeading';
6  import SearchBox from './components/SearchBox';
7  import ReviewList from './components/ReviewList.js'
8
9
10 //My app does an API call for the movies.
11 const App = () => {
12   const [movies, setMovies] = useState([]);
13   const [reviews, setReviews] = useState([]);
14   const [searchValue, setSearchValue] = useState('');
15
16   const getMovieRequest = async (searchValue) => {
17     const url = `http://www.omdbapi.com/?s=${searchValue}&apikey=263d22d8`;
18
19     const response = await fetch(url);
20     const responseJson = await response.json();
21
22     if (responseJson.Search) {
23       setMovies(responseJson.Search);
24     }
25   };
26
27   useEffect(() => {
28     getMovieRequest(searchValue);
29   }, [searchValue]);
30
31   return (
32     <div className='container-fluid movie-app'>
33       <div className='row d-flex align-items-center mt-4 mb-4'>
34         <MovieListHeading heading='Movies' />
35         <SearchBox searchValue={searchValue} setSearchValue={setSearchValue} />
36       </div>
37       <div className='row'>
38         <MovieList
39           movies={movies}
40         />
41       </div>
42     </div>
43   );
44 };
45
46
```



PROMINEO TECH

```
JS MovieList.js JS MovieListHeading.js JS ReviewForm.js JS ReviewList.js JS App.js JS index.js X JS SearchBox.js
react-movie-app > src > JS index.js
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import App from './App';
4
5 ReactDOM.render(
6   <React.StrictMode>
7     <App />
8   </React.StrictMode>,
9   document.getElementById('root')
10 );
11
```

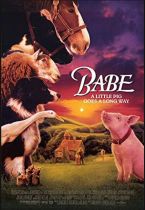
```
JS MovieList.js JS MovieListHeading.js JS ReviewForm.js JS ReviewList.js JS App.js JS index.js JS SearchBox.js X
react-movie-app > src > components > JS SearchBox.js > ...
1 import React from 'react';
2
3
4 //My Searchbox enables seaching for a given movie by name
5 const SearchBox = (props) => {
6   return (
7     <div className='col col-sm-4'>
8       <input
9         className='form-control'
10        value={props.value}
11        onChange={(event) => props.setSearchValue(event.target.value)}
12        placeholder='Type to search...'
13      ></input>
14    </div>
15  );
16 };
17
18 export default SearchBox;
19
```



Screenshots of Running Application:

Movies

babe



Babe

Rating:


Select

Submit

Leave a Review:

Tell us whether it slapped or stunk.

Submit



Babe: Pig in the City

Rating:


Select

Submit

Leave a Review:

Tell us whether it slapped or stunk.

Submit



The Babe

Rating:

Select

Submit

Leave a Review:

Tell us whether it slapped or stunk.

Submit



PROMINEO TECH



Babe

Rating:



Submit

Leave a Review:

This was a great movie.

Submit

Reviews:

★★★★★

This was a great movie.



PROMINEO TECH



The Magnificent Seven Ride!

Rating:

✓ ★
★ ★
★ ★ ★
★ ★ ★ ★
★ ★ ★ ★ ★

Submit

Write a Review:

Force Mother slapped or stunk.

Submit

Reviews:



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PELUMU AMMENDUHAIZ, JR. ELMER BERNSTEIN ARTHUR ROWE
Produced by WILLIAM A. CALAHAN Directed by GEORGE MCKONNAN COLOR by DELUXE
Special Effects

The Magnificent Seven Ride!

Rating:

★ ★ ★ ★ ★ ▼

Submit

Leave a Review:

A great film.

Submit

Reviews:

★★★★★

A great film.

GitHub Link: <https://github.com/zaccrabbtree/movieappreact1.git>