



## Web App Design with React Week 14 Coding Assignment

**Points possible:** 75

**URL to GitHub Repository:** <https://github.com/n-harvey/Week14Assignment/>

**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

```
import React from 'react';
import Movie from './movies';

export default class MovieList extends React.Component{
  render(){
    let movieOne = {
      name: 'John Wick',
      summary: 'Legendary assassin John Wick (Keanu Reeves) retired from his violent career after marrying the love of his life. Her sudden death leaves John in deep mourning. When sadistic mobster Iosef Tarasov (Alfie Allen) and his thugs steal John\'s prized car and kill the puppy that was a last gift from his wife, John unleashes the remorseless killing machine within and seeks vengeance. Meanwhile, Iosef\'s father (Michael Nyqvist) -- John\'s former colleague -- puts a huge bounty on John\'s head.',
      posterUrl: 'https://upload.wikimedia.org/wikipedia/en/9/98/John_Wick_TeaserPoster.jpg',
    }

    let movieTwo = {
      name: 'ARMAGEDDON',
      summary: 'When an asteroid threatens to collide with Earth, NASA honcho Dan Truman (Billy Bob Thornton) determines the only way to stop it is to drill into its surface and detonate a nuclear bomb. This leads him to renowned driller Harry Stamper (Bruce Willis), who agrees to helm the dangerous space mission provided he can bring along his own hotshot crew. Among them is the cocksure A.J. (Ben Affleck), who Harry thinks isn\'t good enough for his daughter (Liv Tyler), until the mission proves otherwise.',
      posterUrl: 'https://randomer.io/images/movies/95.webp',
    }

    let movieThree = {
      name: 'Constantine',
      summary: 'As a suicide survivor, demon hunter John Constantine (Keanu Reeves) has literally been to hell and back -- and he knows that when he dies, he\'s got a one-way ticket to Satan\'s realm unless he can earn enough goodwill to climb God\'s stairway to heaven. While helping policewoman Angela Dodson (Rachel Weisz) investigate her identical twin\'s apparent suicide, Constantine becomes caught up in a supernatural plot involving both demonic and angelic forces. Based on the DC/Vertigo "Hellblazer" comics.',
      posterUrl: 'https://randomer.io/images/movies/561.webp',
    }

    let movieFour = {
      name: 'The Usual Suspects',
      summary: '"The greatest trick the devil ever pulled was convincing the world he didn\'t exist," says con man Kint (Kevin Spacey), drawing a comparison to the most enigmatic criminal of all time, Keyser Soze. Kint attempts to convince the feds that the mythic crime lord not only exists, but is also responsible for drawing Kint and his four partners into a multi-million dollar heist that ended with an explosion in San Pedro Harbor - leaving few survivors.',
      posterUrl: 'https://randomer.io/images/movies/629.webp',
    }

    return (
      <div className="container pt-2">
        <Movie {...movieOne}/>
        <br><br>
        <Movie {...movieTwo}/>
        <br><br>
        <Movie {...movieThree}/>
        <br><br>
        <Movie {...movieFour}/>
      </div>
    )
  }
}
```



# PROMINEO TECH

```
import React from "react";
import Rating from "../rating";
import ReviewForm from "../review-form";

export default class Movie extends React.Component{
  constructor(props){
    super(props)
    this.state = {
      reviews: props.reviews
    }
  }

  render(){
    return(
      <div className="row shadow-lg">
        <div className="col col-2 ">
          <div className="row">
            <img src={this.props.posterUrl} alt={this.props.name + " Movie Poster"} ></img>
          </div>
          <div className="row text-center">
            <h5>{this.props.name}</h5>
          </div>
          <div className="row text-center">
            <Rating />
          </div>
        </div>
        <div className="col mb-1">
          <div className="row">
            <strong>Summary:</strong>
            <p>{this.props.summary}</p>
          </div>
          <ReviewForm />
        </div>
      </div>
    )
  }
}
```

```
import React from "react";
import logo from "../moviedb.jpg"

export default class navbar extends React.Component{
  render(){
    return(
      <nav className="navbar navbar-dark bg-dark">
        <div className="container-fluid">
          <a className="navbar-brand" href="http://localhost:3000/">
            <img src={logo} alt="Logo" width="30" height="24" className="d-inline-block align-text-top"></img>
            Movie DB: Reviews with React
          </a>
        </div>
      </nav>
    )
  }
}
```



# PROMINEO TECH

```
import React, { useState } from "react";

const StarRating = () => {
  const [rating, setRating] = useState(0);
  const [hover, setHover] = useState(0);
  return (
    <div className="rating">
      {[...Array(5)].map((star, index) => {
        index += 1;
        return (
          <button
            type="button"
            key={index}
            className={index <= (hover || rating) ? "on" : "off"}
            onClick={() => setRating(index)}
            onMouseEnter={() => setHover(index)}
            onMouseLeave={() => setHover(rating)}
          >
            <span className="star">&#9733;</span>
          </button>
        );
      })}
    </div>
  );
};

export default StarRating

// I could not figure this part out
// Code from https://dev.to/michaelburrows/create-a-custom-react-star-rating-component-5o6
```



# PROMINEO TECH

```
export default class reviewForm extends React.Component{
  constructor(){
    super()

    this.reviews = [];
    this.state = {
      showdata: this.reviews,
      input: '',
    }

    this.prependReview = this.prependReview.bind(this)
    this.handleChange = this.handleChange.bind(this)
  }

  handleChange = event => {
    let userInput = event.target.value
    this.setState({input: userInput})
  }

  prependReview(){
    if(this.state.input){
      this.reviews.push(<Reviews review={this.state.input}/>)
      this.setState({
        showdata: this.reviews,
        input: ''
      });
    }
  }

  render(){
    return (
      <div>
        <div>
          {this.reviews}
        </div>
        <br/>
        <div className="container">
          <input type="text" className="form-control" value={this.state.input} onChange={this.handleChange} placeholder="Join the conversation! Leave a review" ></input>
        </div>
        <div className="text-end mt-1">
          <button
            type="button"
            className="btn btn-secondary"
            onClick={() => this.prependReview()}
          >
            Add Review
          </button>
        </div>
      </div>
    )
  }
}
```

```
import React from "react";

export default class reviews extends React.Component{

  render(){
    return(
      <div>
        <p className="border ps-2" > {this.props.review}</p>
      </div>
    )
  }
}
```

**Screenshots of Running Application:**



# PROMINEO TECH

Movie DB: Reviews with React



John Wick

★ ★ ★ ★ ★

**Summary:**

Legendary assassin John Wick (Keanu Reeves) retired from his violent career after marrying the love of his life. Her sudden death leaves John in deep mourning. When sadistic mobster Iosef Tarasov (Alfie Allen) and his thugs steal John's prized car and kill the puppy that was a last gift from his wife, John unleashes the remorseless killing machine within and seeks vengeance. Meanwhile, Iosef's father (Michael Nyqvist) -- John's former colleague -- puts a huge bounty on John's head.

Join the conversation! Leave a review

Add Review



ARMAGEDDON

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Movie DB: Reviews with React



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This is a review

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This is another review

Join the conversation! Leave a review

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