



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.
 - 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

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File Edit Selection View Go Run Terminal Help movie.css - movies2 - Visual Studio Code
EXPLORER
MOVIES2
  logo512.png U
  () manifest.json U
  robots.txt U
  tomatoes.png U
  src
src > components > # movie.css > # img
1 img {
2   justify-content: center;
3 }
```

```
File Edit Selection View Go Run Terminal Help Movie.js - movies2 - Visual Studio Code
EXPLORER
MOVIES2
  logo512.png U
  () manifest.json U
  robots.txt U
  tomatoes.png U
  src
  components
    JujutsuKaisen0.jpg U
    # movie.css U
    JS Movie.js U
    JS MovieList.js U
    # navbar.css U
    JS Navbar.js U
    JS ReviewForm.js U
    JS ReviewList.js U
    # starRating.css U
    JS StarRating.js U
    JS SubmitButton.js U
    # App.css U
    JS App.js U
    JS App.test.js U
    # index.css U
    JS index.js U
src > components > JS Movie.js > # Movie
1 import React from 'react';
2 import ReviewList from './ReviewList';
3 import './movie.css';
4
5 export default class Movie extends React.Component {
6   constructor(props) {
7     super(props);
8     this.state = { reviews: new Array() };
9     this.handleClick = this.handleClick.bind(this);
10    this.globalState = this.props.globalState;
11  }
12  handleClick() {
13    console.log('You clicked the entry for ${this.props.Title} ${this.props.Date} (${this.props.Genre})');
14  }
15  onFormSubmit(formState) {
16    const reviews = this.state.reviews.slice();
17    reviews.push(formState);
18    this.setState({
19      reviews
20    });
21  }
22  render() {
23    // console.log(this.state.reviews);
24    return(
25      <div id="movieCard">
26        <h2 id="movieTitle"> {this.props.Title} </h2>
```

```
File Edit Selection View Go Run Terminal Help Movie.js - movies2 - Visual Studio Code
EXPLORER
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  logo512.png U
  () manifest.json U
  robots.txt U
  tomatoes.png U
  src
  components
    JujutsuKaisen0.jpg U
    # movie.css U
    JS Movie.js U
    JS MovieList.js U
    # navbar.css U
    JS Navbar.js U
    JS ReviewForm.js U
    JS ReviewList.js U
    # starRating.css U
    JS SubmitButton.js U
    # App.css U
    JS App.js U
    JS App.test.js U
    # index.css U
    JS index.js U
src > components > JS Movie.js > # Movie
25 <div id="movieCard">
26   <h2 id="movieTitle"> {this.props.Title} </h2>
27   <img id="movieImage" src={this.props.image} alt={` ${this.props.title}'s picture`} className="movie
28   <p id="movieSynopsis">Synopsis: <br/> {this.props.Synopsis} </p>
29   <ul>
30     <li id="movieGenre"> Genre: {this.props.Genre} </li>
31     <li id="movieDate"> Date: {this.props.Date} </li>
32   </ul>
33   {this.state.reviews.map(function(review, index){
34     return <div key={index}>{review.title} {review.reviewInfo}</div>;
35   })}
36   <ReviewList onSubmit={ (formState) => this.onFormSubmit(formState) }/>
37   </div>
38
39   );
40
41 }
```



PROMINEO TECH

```
src > components > JS MovieListjs > MovieList
1 import React from 'react';
2 import Movie from './Movie';
3
4
5
6 export default class MovieList extends React.Component {
7   constructor(props) {
8     super(props);
9
10    this.globalState = this.props.globalState;
11  }
12
13  render() {
14    let Movies;
15    //basically saying is there any comments within our state prop
16    if(this.globalState.movies) {
17      //we will modify this code, this is going to take both the comment and the index of the position of that comm
18      //it makes the comment key the index and uses the spread method to make sure its the current comment
19      Movies = this.globalState.movies.map((movie, index) => <Movie key={index} {...movie} globalState={this.globalSt
20    }
21  }
22
23  return (
24    <div>
25      | {Movies}
26    </div>
27  );
28 }
29
```

```
src > components > JS MovieListjs > MovieList
23 return (
24   <div>
25     | {Movies}
26   </div>
27 );
28 }
29
```

```
src > components > # navbar.css > ...
1 input, button {
2   /* appearance: none;
3   background: none;
4   border: none;
5   outline: none; */
6   cursor: pointer;
7 }
8
9 #navbar {
10  background-color: #FE4888;
11 }
12
13 .navbar {
14  z-index: 1;
15  margin-top: 0;
16  border-top: 15px;
17  /* color: white; */
18  top: 0;
19  padding: 0 10rem;
20  display: flex;
21  justify-content: space-around;
22 }
23
24 .navbar ul {
25  text-align: center;
26 }
27
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

webpack compiled with 1 warning



PROMINEO TECH

```
src > components > # navbar.css > ...
26
27
28
29
30 .navbar li {
31   display: inline-block;
32   align-items: stretch;
33 }
34
35 .navbar h1 {
36   color: blueviolet;
37 }
38
39 .navbar li a {
40   display: block;
41   padding: 8px 15px;
42   text-decoration: none;
43   font-weight: bold;
44   color: white;
45   text-align: center;
46   border-right: 1px solid #ccc;
47   justify-content: space-between
48 }
49
50 .navbar li a:hover {
51   color: #5900ff;
52 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

webpack compiled with 1 warning

```
src > components > # navbar.css > ...
47
48   justify-content: space-between
49 }
50
51 .navbar li a:hover {
52   color: #5900ff;
53 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

webpack compiled with 1 warning

Navbar.js

```
src > components > JS Navbar.js > @ navbar
1 import React from 'react';
2 import './navbar.css';
3
4 const navbar = () => {
5   return (
6     <nav className="navbar" id="navbar">
7       <ul>
8         <li>KANSY FILMS & PRODUCTION <link rel="manifest" href="https://www.rottentomatoes.com/assets/pizza-pie/mar
9         <li className="nav-item">
10           <a href="#">ABOUT</a>
11         </li>
12         <li className="nav-item">
13           <a href="#"><b>Movie LISTS</b></a>
14         </li>
15         <li className="nav-item">
16           <a href="#"><b>LATEST PRODUCTIONS</b></a>
17         </li>
18         <li className="nav-item">
19           <a href="#"><b>order or buy movies</b></a>
20         </li>
21         <li className="nav-item">
22           <a href="#"><b>Event and entertainment</b></a>
23         </li>
24         <li className="nav-item">
25           <a href="#"><b>Contact US</b></a>
26         </li>
27       </ul>
28     </nav>
29   );
30 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

webpack compiled with 1 warning



PROMINEO TECH

```
25 | | <a href="#"><b>Contact US</b></a>
26 | | </li>
27 | | </ul>
28 | </nav>
29 | );
30 | }
31 | export default navbar;
```

ReviewForm.js

```
1 | import React from 'react';
2 | import StarRating from './StarRating';
3 |
4 | export default class ReviewForm extends React.Component {
5 |   constructor(props) {
6 |     super(props);
7 |     this.state = {
8 |       // title: '',
9 |       reviewInfo: '',
10 |      starRating: null,
11 |    };
12 |
13 |     this.submitForm = this.submitForm.bind(this);
14 |     this.handleReviewChange = this.handleReviewChange.bind(this);
15 |     this.handleStarChange = this.handleStarChange.bind(this);
16 |   }
17 |
18 |   resetForm() {
19 |     this.setState({
20 |       // title: '',
21 |       reviewInfo: '',
22 |       starRating: null,
23 |     });
24 |   }
25 | }
26 |
```

webpack compiled with 1 warning



PROMINEO TECH

```
26
27
28   submitForm() {
29     this.props.onSubmit(this.state);
30     this.resetForm();
31   }
32
33   handleInputChange(event) {
34     // const target = event.target;
35     // const name = target.name;
36     // const value = target.value;
37     this.setState({
38       reviewInfo: event.target.value
39     });
40   }
41
42   handleReviewChange(event) {
43     this.setState({
44       reviewInfo: event.target.value
45     });
46   }
47
48   handleStarChange(event) {
49     // const target = event.target;
50     // const name = target.name;
```

Re

```
51
52   // const name = target.name;
53   // const value = target.value;
54   this.setState({
55     starRating: event.target.value
56   });
57 }
58
59 render() {
60   return (
61     <div>
62       <form>
63         <h2>Tell us more?</h2>
64         </> <label htmlFor="titleInput"><b>Review Title:</b></label><br />
65         <input name="title" type="text" id="titleInput" value={this.state.title} onChange={this.handleI
66         <span className="text-muted">
67           <StarRating value={this.state.starRating} onChange={this.handleStarChange}/>
68         </span>
69         <label htmlFor="reviewInput"><b>Review:</b></label><br />
70         <input name="reviewInfo" type="text" id="reviewInput" value={this.state.reviewInfo} onChange={t
71         <button className="btn btn-primary" onClick={this.submitForm}>Add New Review</button>
72       </form>
73     </div>
74   );
75 }
76 }
```

ReviewList.js



PROMINEO TECH

```
1 import React, { useState } from 'react';
2 import ReviewForm from '../ReviewForm';
3
4 export default class ReviewList extends React.Component {
5   constructor(props) {
6     super(props);
7     this.state = {reviews: new Array()};
8     this.onFormSubmit = this.onFormSubmit.bind(this);
9   }
10
11   onFormSubmit(formState) {
12     const newReviews = this.state.reviews.slice();
13     newReviews.push(formState);
14     this.setState ({
15       reviews: newReviews
16     })
17   }
18
19   render() {
20     return(
21       <div className='container'>
22         {this.state.reviews.map(function(review, index) {
23           return <div key={index}> {review.userReview}</div>
24         })}
25         <ReviewForm onFormSubmit={formState => this.onFormSubmit(formState)} />
26       </div>
27     )
28   }
29 }
```

webpack compiled with 1 warning

StarRating.css

```
1 input[type='radio'] {
2   display: none;
3 }
4
5 .star {
6   cursor: pointer;
7   transition: color 200ms;
8 }
```

StarRating.js



PROMINEO TECH

App.css

App.js



PROMINEO TECH

```
src > JS Appjs > ...
1 import './App.css';
2 import React from 'react';
3 import MovieList from './components/MovieList';
4 //import 'bootstrap/dist/css/bootstrap.min.css';
5 import Navbar from './components/Navbar';
6
7 const globalState = {
8   movies: [
9     {
10      id: 0,
11      image: 'https://m.media-amazon.com/images/M/MV5BYzFmMjJAwMDYtNz08Zi00NjY2LWFjMjYtMGQ1OTRiZjk5YjJkXkEYXkFqcGdeQ
12      Title: 'Jujutsu Kaisen 0',
13      Date: 'March 18, 2022 (United States)',
14      Genre: 'Animation, Action, Fantasy',
15      Synopsis: 'It follows Yuta Okkotsu, a young student who becomes a sorcerer and seeks to control the cursed sp
16      totalVotes: 0,
17      sumVotes: 0,
18      averageRating: 0,
19    },
20    {
21      id: 1,
22      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
23      Title: 'Bullet Train',
24    },
25    {
26      id: 2,
27      image: 'https://imagesvc.meredithcorp.io/v3/mm/image?url=https%3A%2F%2Fstatic.onecms.io%2Fwp-content%2Fuploa
28      Title: 'Thor: Love and Thunder',
29      Date: 'July 08, 2022 (United States)',
30      Genre: 'Action, Adventure, Comedy, Fantasy, Romance, Sci-fi',
31      Synopsis: 'Thor enlists the help of Valkyrie, Korg and ex-girlfriend Jane Foster to fight Gorr the God Butche
32      totalVotes: 0,
33      sumVotes: 0,
34      averageRating: 0,
35    },
36    {
37      id: 3,
38      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
39      Title: 'Bullet Train',
40      Date: 'August 05, 2022 (United States)',
41      Genre: 'Action, Comedy, Thriller',
42      Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
43      totalVotes: 0,
44      sumVotes: 0,
45      averageRating: 0,
46    },
47    {
48      id: 4,
49      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
50      Title: 'Bullet Train',
51      Date: 'August 05, 2022 (United States)',
52      Genre: 'Action, Comedy, Thriller',
53      Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
54      totalVotes: 0,
55      sumVotes: 0,
56      averageRating: 0,
57    },
58    {
59      id: 5,
60      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
61      Title: 'Bullet Train',
62      Date: 'August 05, 2022 (United States)',
63      Genre: 'Action, Comedy, Thriller',
64      Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
65      totalVotes: 0,
66      sumVotes: 0,
67      averageRating: 0,
68    },
69    {
70      id: 6,
71      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
72      Title: 'Bullet Train',
73      Date: 'August 05, 2022 (United States)',
74      Genre: 'Action, Comedy, Thriller',
75      Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
76      totalVotes: 0,
77      sumVotes: 0,
78      averageRating: 0,
79    },
80    {
81      id: 7,
82      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
83      Title: 'Bullet Train',
84      Date: 'August 05, 2022 (United States)',
85      Genre: 'Action, Comedy, Thriller',
86      Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
87      totalVotes: 0,
88      sumVotes: 0,
89      averageRating: 0,
90    },
91    {
92      id: 8,
93      image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
94      Title: 'Bullet Train',
95      Date: 'August 05, 2022 (United States)',
96      Genre: 'Action, Comedy, Thriller',
97      Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
98      totalVotes: 0,
99      sumVotes: 0,
100     averageRating: 0,
101   },
102   ],
103 };
104
105 export default function App() {
106   return (
107     <div>
108       <Navbar />
109       <MovieList movies={globalState.movies} />
110     </div>
111   );
112 }
```

webpack compiled with 1 warning

```
src > JS Appjs > ...
25 image: 'https://www.sonypictures.my/sites/malaysia/files/2022-07/BT_SonyWebsite_1SHT.jpg',
26 Title: 'Bullet Train',
27 Date: 'August 05, 2022 (United States)',
28 Genre: 'Action, Comedy, Thriller',
29 Synopsis: 'Five assassins aboard a fast moving bullet train find out their missions have something in common.
30 totalVotes: 0,
31 sumVotes: 0,
32 averageRating: 0,
33 },
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```



PROMINEO TECH

The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure for 'MOVIES2'. The main editor window shows the 'App.js' file with the following JavaScript code:

```
src > JS App.js > ...
49
50 {
51   id: 3,
52   image: 'https://terrigen-cdn-dev.marvel.com/content/prod/1x/snh_online_6072x9000_posed_01.jpg',
53   Title: 'Spider-Man: No Way Home',
54   Date: 'December 17, 2021 (United States)',
55   Genre: 'Action, Adventure, Fantasy, Comedy',
56   Synopsis: 'For the first time in the cinematic history of Spider-Man, our friendly neighborhood hero\'s ide
57   totalVotes: 0,
58   sumVotes: 0,
59   averageRating: 0,
60 },
61
62 {
63   id: 4,
64   image: 'https://i.ebayimg.com/images/g/xAMAAOSw10Nii635/s-1500.jpg',
65   Title: 'Top gun Maverick',
66   Date: 'May 27, 2022 (United States)',
67   Genre: 'Animation, Action, Fantasy',
68   Synopsis: 'After thirty years, Maverick is still pushing the envelope as a top naval aviator, but must confr
69   totalVotes: 0,
70   sumVotes: 0,
71   averageRating: 0,
72 },
73
74
```

The bottom panel shows the 'TERMINAL' tab with the message: 'webpack compiled with 1 warning'.

The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure for 'MOVIES2'. The main editor window shows the 'App.js' file with the following JavaScript code:

```
src > JS App.js > ...
74
75 {
76   id: 5,
77   image: 'https://i.pinimg.com/originals/0a/51/19/0a511949a465f11047eb9b37e0354c36.jpg',
78   Title: 'Ocean Waves',
79   Date: 'May 05, 1993',
80   Genre: 'Romantic Drama',
81   Synopsis: 'Taku and his best friend Yutaka are headed back to school for what looks like another uneventful
82   totalVotes: 0,
83   sumVotes: 0,
84   averageRating: 0,
85 },
86
87 {
88   id: 6,
89   image: 'https://m.media-amazon.com/images/M/MV5BYmQ1Y2Y4NmItY2E4Mi00ZmM2LWFiOTEtMGVmMDRHNzZiODU0XkEyXkFqcGdeC
90   Title: 'Dragon Ball Super: Super Hero',
91   Date: 'August 19, 2022 (United States)',
92   Genre: 'Anime, Adventure, Fantasy, Animation, Material Arts, Action, Science Fiction',
93   Synopsis: 'The Red Ribbon Army was once destroyed by Son Goku. Individuals who carry on its spirit have creat
94   totalVotes: 0,
95   sumVotes: 0,
96   averageRating: 0,
97 },
98
99
```

The bottom panel shows the 'TERMINAL' tab with the message: 'webpack compiled with 1 warning'.



```
src > JS App.js > ...
99   },
100  ],
101  };
102
103  function App() {
104    return (
105      <div className="App">
106        <body id='color'>
107          <Navbar />
108          <span>
109            <MovieList globalState={globalState}/>
110          </span>
111        </body>
112      </div>
113    );
114  }
115
116  export default App;
117
```

App.test.js

```
src > JS App.test.js > ...
1  import { render, screen } from '@testing-library/react';
2  import App from './App';
3
4  test('renders learn react link', () => {
5    render(<App />);
6    const linkElement = screen.getByText(/learn react/i);
7    expect(linkElement).toBeInTheDocument();
8  });
9
```

Index.css

```
src > # index.css > *
1  * {
2    margin: 1rem;
3    padding: 1rem;
4    box-sizing: border-box;
5    font-family: montserrat, sans-serif;
6  }
7
```

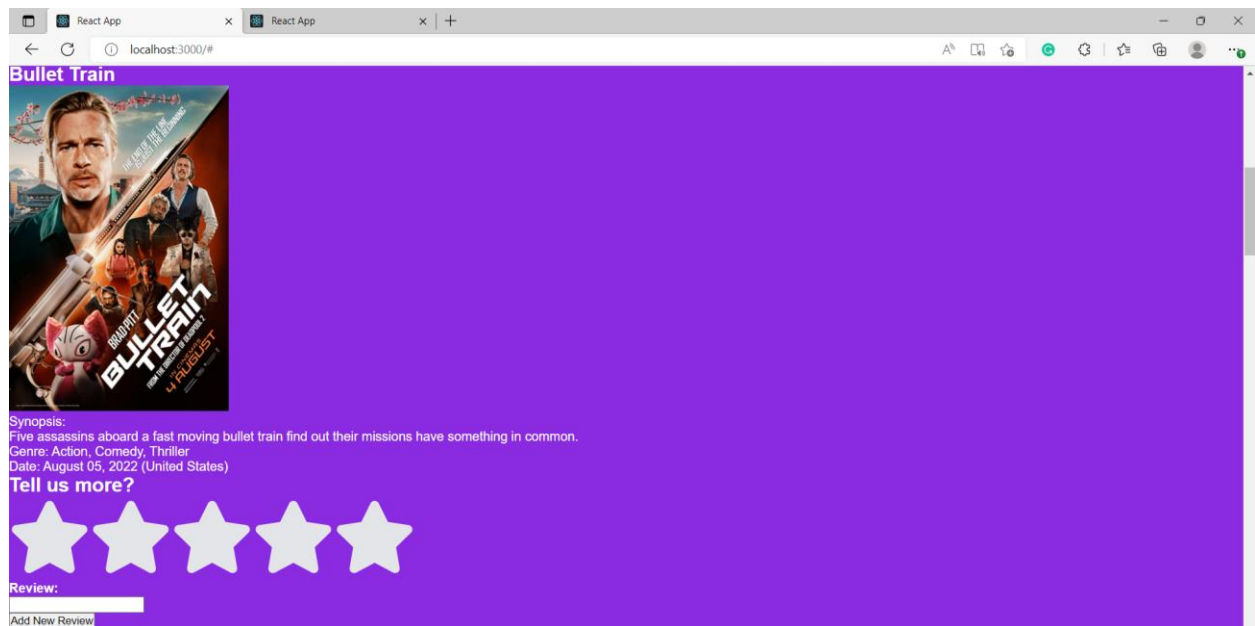
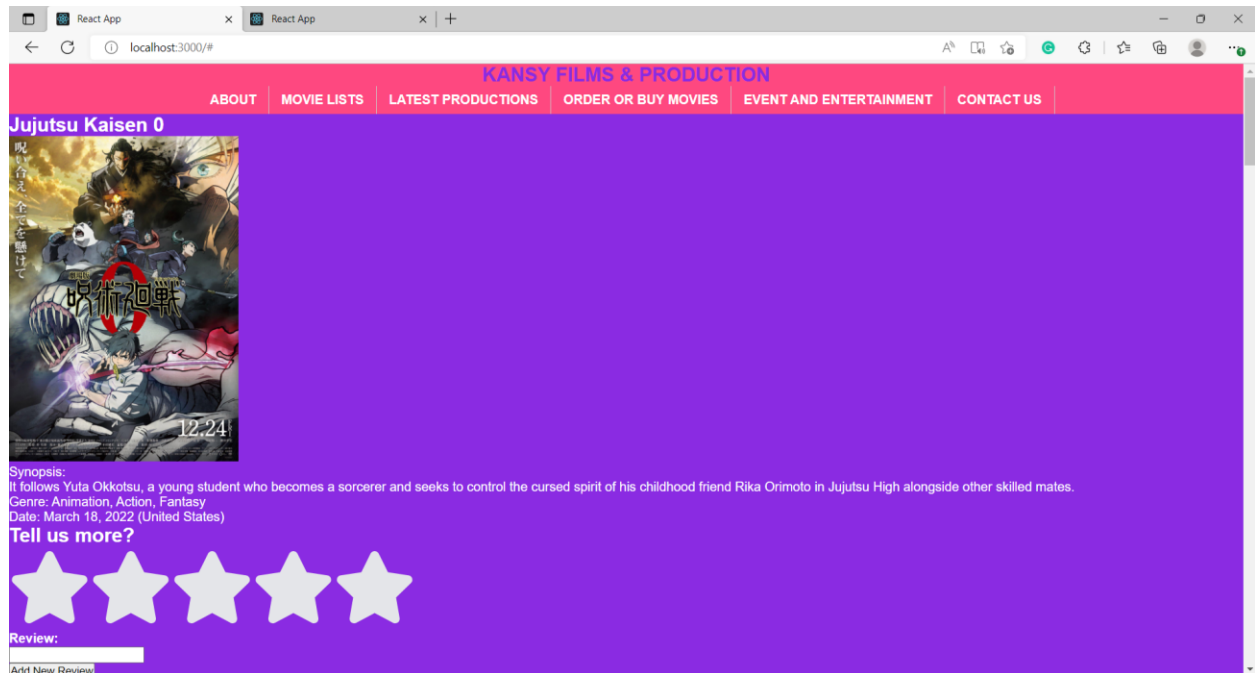
Index.js

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



PROMINEO TECH

Screenshots of Running Application:





PROMINEO TECH


React App

React App

+

localhost:3000/#

Thor: Love and Thunder




Synopsis:
Thor enlists the help of Valkyrie, Korg and ex-girlfriend Jane Foster to fight Gorr the God Butcher, who intends to make the gods extinct.

Genre: Action, Adventure, Comedy, Fantasy, Romance, Sci-fi

Date: July 08, 2022 (United States)

Tell us more?



Review:

Add New Review


React App

React App

+

localhost:3000/#

Spider-Man: No Way Home




Synopsis:
For the first time in the cinematic history of Spider-Man, our friendly neighborhood hero's identity is revealed, bringing his Super Hero responsibilities into conflict with his normal life and putting those he cares about most at risk. When he enlists Doctor Strange's help to restore his secret, the spell tears a hole in their world, releasing the most powerful villains who've ever fought a Spider-Man in any universe. Now, Peter will have to overcome his greatest challenge yet, which will not only forever alter his own future but the future of the Multiverse.

Genre: Action, Adventure, Fantasy, Comedy

Date: December 17, 2021 (United States)

Tell us more?



Review:

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Top gun Maverick








Synopsis:
After thirty years, Maverick is still pushing the envelope as a top naval aviator, but must confront ghosts of his past when he leads TOP GUN's elite graduates on a mission that demands the ultimate sacrifice from those chosen to fly it.

Genre: Animation, Action, Fantasy

Date: May 27, 2022 (United States)

Tell us more?



Review:


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Ocean Waves








Synopsis:
Taku and his best friend Yutaka are headed back to school for what looks like another uneventful year. But they soon find their friendship tested by the arrival of Rikako, a beautiful new transfer student from Tokyo whose attitude shifts wildly from flirty and flippant to melancholic. When Taku joins Rikako on a trip to Tokyo, the school erupts with rumors, and the three friends are forced to come to terms with their changing relationships.

Genre: Romantic Drama

Date: May 05, 1993

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Review:

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Dragon Ball Super: Super Hero




Synopsis:
The Red Ribbon Army was once destroyed by Son Goku. Individuals who carry on its spirit have created the ultimate androids -- Gamma 1 and Gamma 2. However, these two androids call themselves superheroes and start attacking Piccolo and Gohan.

Genre: Anime, Adventure, Fantasy, Animation, Material Arts, Action, Science Fiction

Date: August 19, 2022 (United States)

Tell us more?



Review:

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