PROMINEO TECH

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

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:

```
review.reboo > src > components > JS movie.js > ᕼ Movie > ⊙ constructor
1    import React from 'react';
2    import Rating from './rating';
3    import ReviewForm from './reviewForm';
4
5
6 ∨  export default class Movie extends React.Component {
7        constructor(props) {
8            super(props);
9            this.state = { reviews: [] };
10           this.handleClick = this.handleClick.bind(this);
11           this.globalState = this.props.globalState;
12       }
13       handleClick() {
14           console.log(`You clicked the entry for ${this.props.Title} ${this.props.Date} (${this.props.Genre})`);
15       }
16       onFormSubmit(formState) {
17           const reviews = this.state.reviews.slice();
18           reviews.push(JSON.stringify(formState));
19           this.setState({
20               reviews
21           })
22       }
23       render() {
24           // console.log(this.state.reviews);
25           return(
26               <div id="movieCard">
27               <h2 id="movieTitle"> {this.props.Title}</h2>
28               <img id="movieImage" src={this.props.image} alt={`${this.props.title}'s picture`} className="movieimage" height = "400px"/>
29               <p id="movieSynopsis">Synopsis:<br/> {this.props.Synopsis}</p>
30               <ul>
31                   <li id="movieGenre"> Genre: {this.props.Genre} </li>
32                   <li id="movieDate"> Date: {this.props.Date} </li>
33               </ul>
34               <Rating />
35               <div>{ this.state.reviews }</div>
36               <ReviewForm onSubmit={ (formState) => this.onFormSubmit(formState) }/>
37               </div>
38
```

```
5
6    export default class Movie extends React.Component {
7        constructor(props) {
8            super(props);
9            this.state = { reviews: [] };
10           this.handleClick = this.handleClick.bind(this);
11           this.globalState = this.props.globalState;
12       }
13       handleClick() {
14           console.log(`You clicked the entry for ${this.props.Title} ${this.props.Date} (${this.props.Genre})`);
15       }
16       onFormSubmit(formState) {
17           const reviews = this.state.reviews.slice();
18           reviews.push(JSON.stringify(formState));
19           this.setState({
20               reviews
21           })
22       }
23       render() {
24           // console.log(this.state.reviews);
25           return(
26               <div id="movieCard">
27               <h2 id="movieTitle"> {this.props.Title}</h2>
28               <img id="movieImage" src={this.props.image} alt={`${this.props.title}'s picture`} className="movieimage" height = "400px"/>
29               <p id="movieSynopsis">Synopsis:<br/> {this.props.Synopsis}</p>
30               <ul>
31                   <li id="movieGenre"> Genre: {this.props.Genre} </li>
32                   <li id="movieDate"> Date: {this.props.Date} </li>
33               </ul>
34               <Rating />
35               <div>{ this.state.reviews }</div>
36               <ReviewForm onSubmit={ (formState) => this.onFormSubmit(formState) }/>
37               </div>
38
39           );
40       }
41   }
```

```javascript
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 modifiy this code, this is going to take both the comment and the index of the posistion of that comment in that array
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.globalState} />);
20
21  }
22
23  return (
24      <div>
25          {Movies}
26      </div>
27  );
28  }
29  }
30
```

```javascript
1   import React from 'react';
2
3
4   export default class Stars extends React.Component {
5       //the constructor is going to take in the props
6       constructor(props) {
7           super(props);
8
9           this.handleClick = this.handleClick.bind(this);
10          //that now allows us to bind handleClick to the this and we can now us it
11      }
12
13  //so this is where it is defined, ABOVE is where it is bind this and use it by name
14  handleClick() {
15      //this will also be changed greatly by the new terms of the business
16      console.log('got inside handleClick');
17      console.log(`${this.props} is my this.props`);
18      console.log(this.props);
19      console.log(`${this.props.value} is my this.props.value`);
20      this.props.onClick(this.props.value);
21
22  }
23  render() {
24          //return a JSX button, w/bootstrap
25          return(
26              <button
27              className="btn btn-warning"
28              //w/ our method we now can use that within here
29              onClick={this.handleClick}>
30
31              {/* // state will now be changed to reflect that we now have no state only props within our constructor aka state = props
32              this ensures that the state is handled thru the PARENT component*/}
33              {this.props.name}
34              </button>
35          );
36      }
37  }
```

```css
review.reboo > src > # App.css > ...
  1   body {
  2     background-color: rgb(49, 49, 49);
  3
  4   }
  5
  6   #reviewInput {
  7     height: 200px;
  8     width: 800px;
  9   }
 10
 11   label {
 12     font-size: 25px;
 13   }
 14
 15   #movieSynopsis {
 16     font-size: 55px;
 17   }
 18
 19   #menu {
 20     background-color: rgba(7, 71, 168, 0.3);
 21     padding: 10px;
 22     text-align: center;
 23     align-items: center;
 24     text-emphasis-color: gray;
 25     font-size: 35px;
 26     opacity: 80%;
 27     font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
 28   }
 29
 30   li {
 31     /* border: 8px dotted; */
 32     border-color: rgb(12, 12, 99);
 33     align-content: left;
 34     align-items: flex-start;
 35
 36   }
 37
 38   #menu {
```

Ln 18, Col 1   Spaces: 2   UTF-8   LF   CSS

```css
review.reboo > src > # App.css > ...
 30   li {
 31     /* border: 8px dotted; */
 32     border-color: rgb(12, 12, 99);
 33     align-content: left;
 34     align-items: flex-start;
 35
 36   }
 37
 38   #menu {
 39     border: 10px dotted;
 40     border-color: rgb(12, 12, 99);
 41     align-content: center;
 42     text-align: center;
 43   }
 44
 45   #color {
 46     background-color: rgb(49, 49, 49);
 47   }
 48
 49   #movieCard {
 50     background-color: rgba(248, 248, 237, 0.3);
 51     border: 5px rgb(12, 12, 99) solid;
 52     padding: 25px;
 53     border-radius: 25px;
 54     color: rgb(63, 122, 199);
 55   }
 56
 57   #movieTitle {
 58     font-size: 50px;
 59     padding-bottom: 10px;
 60     border-bottom: 5px rgb(12, 12, 99) solid;
 61     background-color: rgba(7, 9, 46, 0.35);
 62   }
 63
 64   #movieGenre {
 65     border: 3px rgb(12, 12, 99) solid;
 66     font-size: 20px;
```

```css
62    }
63
64    #movieGenre {
65      border: 3px  rgb(12, 12, 99) solid;
66      font-size: 20px;
67      background-color:  rgba(7, 9, 46, 0.35);
68      display: flex;
69      padding: 5px;
70      width: 250px;
71    }
72
73    #movieDate {
74      border: 3px  rgb(12, 12, 99) solid;
75      font-size: 20px;
76      background-color:  rgba(7, 9, 46, 0.35);
77      display: flex;
78      align-content: flex-end;
79      align-items: left;
80      width: 250px;
81      padding: 5px;
82    }
83    #movieSynopsis {
84      float: right;
85      text-align: center;
86      align-content: right;
87      width: 750px;
88      height: 390px;
89      font-size: 20px;
90      border: 10px dotted  rgb(12, 12, 99);
91      margin: 1px;
92      padding:25px;
93      background-color:  rgba(7, 9, 46, 0.5);
94    }
95
96    #movieImage {
97      padding: 5px;
98    }
99
```

```javascript
1   import React from 'react';
2
3   export default class ReviewForm extends React.Component {
4       constructor(props) {
5           super(props);
6           this.state = {
7               title: '',
8               reviewInfo: '',
9           }
10
11          this.submitForm = this.submitForm.bind(this);
12          this.handleInputChange = this.handleInputChange.bind(this);
13      }
14
15
16      resetForm() {
17          this.setState({
18              title: '',
19              reviewInfo: '',
20          });
21      }
22
23      submitForm() {
24          this.props.onSubmit(this.state);
25          this.resetForm();
26      }
27
28      handleInputChange(event) {
29          const target = event.target;
30          const name = target.name;
31          const value = target.value;
32          this.setState({
33              [name]: value
34          });
35      }
36
37      render() {
38          return (
```

```javascript
17          this.setState({
18              title: '',
19              reviewInfo: '',
20          });
21      }
22
23      submitForm() {
24          this.props.onSubmit(this.state);
25          this.resetForm();
26      }
27
28      handleInputChange(event) {
29          const target = event.target;
30          const name = target.name;
31          const value = target.value;
32          this.setState({
33              [name]: value
34          });
35      }
36
37      render() {
38          return (
39              <div>
40                  <div>
41                      <h2>Tell us more?</h2>
42                      <label htmlFor="titleInput"><b>Review Title:</b></label><br />
43                      <input name="title" type="text" id="titleInput" value={this.state.title} onChange={this.handleInputChange} /><br />
44                      <label htmlFor="reviewInput"><b>Review:</b></label><br />
45                      <input name="reviewInfo" type="text" id="reviewInput" value={this.state.reviewInfo} onChange={this.handleInputChange} /><br />
46                      <button className="btn btn-primary" onClick={this.submitForm}>Add New Review</button>
47                  </div>
48              </div>
49          );
50      }
51  }
52
53
```

```javascript
1   import React from 'react';
2
3   export default class Review extends React.Component {
4       constructor(props) {
5           super(props);
6           this.handleClick = this.handleClick.bind(this);
7       }
8
9       handleClick() {
10          console.log(`You clicked the entry for (${this.props.id})`);
11      }
12
13      render() {
14          return (
15              <div onClick={this.handleClick}>
16                  <p>Title: {this.props.title}</p>
17                  <p>reviewInput: {this.props.reviewinput}</p>
18              </div>
19          );
20      }
21  }
22
```

```javascript
1   import React from 'react';
2
3   export default class NavBar extends React.Component {
4       render() {
5           return (
6               <nav id="menu" className="navbar navbar-expand-sm">
7                   <a className="navbar-brand" href="#" />
8                   <ul className="navbar-nav" id="nav">
9                       <li className="nav-item active">
10                          <a className="nav-link" href="https://www.youtube.com/watch?v=AfiitLNGMp8"><b>Review or ReBOO!!!</b></a>
11                      </li>
12                  </ul>
13              </nav>
14          );
15      }
16  }
```

```javascript
1   import React from 'react';
2   import Stars from './stars';
3
4
5   export default class Rating extends React.Component {
6
7       constructor(props) {
8           super(props);
9           this.state = {
10              value: Stars.value,
11              totalVotes: 0,
12              sumVotes: 0,
13              averageRating: 0,
14          }
15          this.countClicks = this.countClicks.bind(this);
16      }
17
18  //No need to overcomplicate with movie ids
19      countClicks(value) {
20          this.state.totalAllVotes += 1;
21
22          this.setState(() => {
23              this.state.totalVotes += 1;
24              this.state.sumVotes += value;
25              this.state.averageRating = this.state.sumVotes / this.state.totalVotes;
26              return this.state;
27          });
28
29      }
30      render() {
31
32          return (
33              <div className="stars.line">
34                  <div>
35                      <h2 className="averageRating">Average Rating {this.state.averageRating}</h2>
36                      <h4 className="totalRatings">{this.state.totalVotes} Total Reviews</h4>
37                      <Stars
```

```
34                    <div>
35                        <h2 className="averageRating">Average Rating {this.state.averageRating}</h2>
36                        <h4 className="totalRatings">{this.state.totalVotes} Total Reviews</h4>
37                        <Stars
38                            name="1 Star"
39                            value={1}
40                            onClick={this.countClicks}
41                        />
42                        <Stars
43                            name="2 Stars"
44                            value={2}
45                            onClick={this.countClicks}
46                        />
47                        <Stars
48                            name="3 stars"
49                            value={3}
50                            onClick={this.countClicks}
51                        />
52                        <Stars
53                            name="4 stars"
54                            value={4}
55                            onClick={this.countClicks}
56                        />
57                        <Stars
58                            name="5 stars"
59                            value={5}
60                            onClick={this.countClicks}
61                        />
62                    </div>
63                </div>
64            );
65        }
66    }
67
```

review.reboo > src > JS App.js > ...

```
1    import './App.css';
2    import NavBar from './components/navbar'
3    import '../node_modules/bootstrap/dist/css/bootstrap.css';
4    import React from 'react';
5    import MovieList from './components/movieList';
6
7
8    const globalState = {
9      movies: [
10         {
11
12           id: 0,
13           image: 'https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcShhQmWrd7gqouln_mhRDdoLy8MkIOwZj1cNx7xhUU2I4cB0IEJ',
14           Title: 'My Neighbor Totoro',
15           Date: 'May 7, 1993(USA)',
16           Genre: 'Family/Fantasy',
17           Synopsis: 'In 1958 Japan, university professor Tatsuo Kusakabe and his two daughters, Satsuki and Mei, move into an old house to be closer to the hospital
18           totalVotes: 0,
19           sumVotes: 0,
20           averageRating: 0,
21
22           votes: {
23             onestar: 0,
24             twostars: 0,
25             threestars: 0,
26             fourstars: 0,
27             fivestars: 0,
28           },
29           reviews: [],
30         },
31
32         {
33           id: 1,
34           image: 'https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcQkJkLAy7UvTvgdP7FbkLORo4A7yuVX64NJ-Yj-RFbF5e96APP7',
35           Title: 'Finding Nemo',
36           Date: 'May 30, 2003',
37           Genre: 'Family/Adventure',
38           Synopsis: 'Marlin, a clown fish, is over-protective over Nemo who has a foreshortened fin. When Nemo tries to prove himself he is caught by a diver. Its up
```

```
21
22        votes: {
23          onestar: 0,
24          twostars: 0,
25          threestars: 0,
26          fourstars: 0,
27          fivestars: 0,
28        },
29        reviews: [],
30      },
31
32      {
33        id: 1,
34        image: 'https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcQkJkLAy7UvTvgdP7FbkLORo4A7yuVX64NJ-Yj-RFbF5e96APP7',
35        Title: 'Finding Nemo',
36        Date: 'May 30, 2003',
37        Genre: 'Family/Adventure',
38        Synopsis: 'Marlin a clown fish is over protective over Nemo who has a foreshortened fin. When Nemo tries to prove himself he is caught by a diver. Its
39        totalVotes: 0,
40        sumVotes: 0,
41        averageRating: 0,
42
43        votes: {
44          onestar: 0,
45          twostars: 0,
46          threestars: 0,
47          fourstars: 0,
48          fivestars: 0,
49        },
50        reviews: [],
51      },
52
53      {
54        id: 2,
55        image: 'https://m.media-amazon.com/images/M/MV5BMDk5Yzc4NzMtODUwOS00NTdhLTg2MjEtZTkzZjc0ZWE2MzAwXkEyXkFqcGdeQXVyMTA3MTA4Mzgw._V1_.jpg',
56        Title: 'Sonic The Hedgehog',
57        Date: 'Febuary 14, 2020',
```

```
50        reviews: [],
51      },
52
53      {
54        id: 2,
55        image: 'https://m.media-amazon.com/images/M/MV5BMDk5Yzc4NzMtODUwOS00NTdhLTg2MjEtZTkzZjc0ZWE2MzAwXkEyXkFqcGdeQXVyMTA3MTA4Mzgw._V1_.jpg',
56        Title: 'Sonic The Hedgehog',
57        Date: 'Febuary 14, 2020',
58        Genre: 'Family/Comedy',
59        Synopsis: 'Sonic video game Icon now stars in his new movie! He cannot interact with anyone though, making him lonely until he bumps into a cop who ai
60        totalVotes: 0,
61        sumVotes: 0,
62        averageRating: 0,
63
64        votes: {
65          onestar: 0,
66          twostars: 0,
67          threestars: 0,
68          fourstars: 0,
69          fivestars: 0,
70        },
71        reviews: [],
72      },
73
74      {
75        id: 3,
76        image: 'https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcSycy8vRa9ende-qVYJhgQwAEp9maxX1hO_p8sqIULmIXFEgYPf',
77        Title: 'All Dogs Go To Heaven',
78        Date: 'November 17, 1989',
79        Genre: 'Family/Musical',
80        Synopsis: 'An under rated flim staring the late Judith Eva Barsi playing an orphan who goes on a journey with Charlie(the dog that cheated death) an
81        totalVotes: 0,
82        sumVotes: 0,
83        averageRating: 0,
84
85        votes: {
86          onestar: 0,
```

```
 83            averageRating: 0,
 84
 85            votes: {
 86                onestar: 0,
 87                twostars: 0,
 88                threestars: 0,
 89                fourstars: 0,
 90                fivestars: 0,
 91            },
 92            reviews: [],
 93        },
 94    ],
 95    totalAllVotes: 0,
 96 };
 97
 98
 99 function App() {
100
101
102    return (
103
104        <div className="App">
105            <body id="color">
106            <NavBar />,
107            <MovieList globalState={globalState}/>,
108
109            </body>
110        </div>
111
112    );
113 }
114
115 export default App;
116
```

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

Screenshots of Running Application:

Review or ReBOO!!!

My Neighbor Totoro

Genre: Family/Fantasy

Date: May 7, 1993(USA)

Synopsis:
In 1958 Japan, university professor Tatsuo Kusakabe and his two daughters, Satsuki and Mei, move into an old house to be closer to the hospital where the girls mother, Yasuko, is recovering from a long-term illness.

Genre: Family/Fantasy

Date: May 7, 1993(USA)

Average Rating 0

0 Total Reviews

| 1 Star | 2 Stars | 3 stars | 4 stars | 5 stars |

Tell us more?

Review Title:

Review:

Add New Review

Add New Review

Finding Nemo

Synopsis:
Marlin a clown fish is over protective over Nemo who has a foreshortened fin. When Nemo tries to prove himself he is caught by a diver. Its up to Dory and Merlin to save him

Genre: Family/Adventure

Date: May 30, 2003

Average Rating 0

Genre: Family/Adventure

Date: May 30, 2003

Average Rating 0

0 Total Reviews

| 1 Star | 2 Stars | 3 stars | 4 stars | 5 stars |

Tell us more?

Review Title:

Review:

Add New Review

Add New Review

Sonic The Hedgehog

Genre: Family/Comedy

Date: Febuary 14, 2020

Synopsis:
Sonic video game Icon now stars in his new movie! He cannot interact with anyone though, making him lonely until he bumps into a cop who aids him on his journey on getting his rings back.

Average Rating 0

Genre: Family/Comedy

Date: Febuary 14, 2020

Average Rating 0

0 Total Reviews

1 Star	2 Stars	3 stars	4 stars	5 stars

Tell us more?

Review Title:

Review:

Add New Review

Add New Review

All Dogs Go To Heaven

Synopsis:
An under rated flim staring the late Judith Eva Barsi playing an orphan who goes on a journey with Charlie(the dog that cheated death) and Itchy to find a family.

Genre: Family/Musical

Date: November 17, 1989

Average Rating 0
0 Total Reviews

Genre: Family/Musical

Date: November 17, 1989

Average Rating 0
0 Total Reviews

| 1 Star | 2 Stars | 3 stars | 4 stars | 5 stars |

Tell us more?

Review Title:

Review:

Add New Review

Genre: Family/Fantasy

Date: May 7, 1993(USA)

Average Rating 0

0 Total Reviews

| 1 Star | 2 Stars | 3 stars | 4 stars | 5 stars |

glfh ldhlgh

lsl lsl

glig ghig

Tell us more?

Review Title:

this is a review!

Review:

This is a review txt!!!

Add New Review

Average Rating 0

0 Total Reviews

| 1 Star | 2 Stars | 3 stars | 4 stars | 5 stars |

gffh hfhfgh
tet tet
gjg ghjg
this is a review! This is a review txt!!!

Tell us more?

Review Title:

Review:

Add New Review

Genre: Family/Fantasy

Date: May 7, 1993(USA)

Average Rating 3.142857142857143

7 Total Reviews

| 1 Star | 2 Stars | 3 stars | 4 stars | 5 stars |

gffh hfhfgh
tet tet
gjg ghjg
this is a review! This is a review txt!!!

Tell us more?

Review Title:

Review:

Add New Review

URL to GitHub Repository:

https://github.com/JoleneMel/Review.or.ReBOO/tree/onward