



Web App Design with React Final Project

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 an online API of your choice (or if no API can be found, using an array for in-memory storage is okay as well), create a React project of your choice. You will be working on this for the next three weeks.
2. Project must meet the following criteria:
 - a. Use React Router and have at least 3 pages
 - b. Use React Bootstrap or an alternative styling library
 - c. Contain at least 10 components
 - d. Allow for all CRUD operations

Screenshots of Code:



PROMINEO TECH

```
JS CreatePage.js X
src > components > JS CreatePage.js > ...
1 import React, {useState, useEffect} from 'react';
2 import Container from 'react-bootstrap/Container';
3 import Row from 'react-bootstrap/Row';
4 import Col from 'react-bootstrap/Col';
5 import PoemForm from './PoemForm';
6 import PoemList from './PoemList'; // Import the PoemList component
7
8 const CreatePage = () => {
9   const [poems, setPoems] = useState([]);
10  const fetchPoems = async () => {
11    try {
12      const response = await fetch('https://65a83fbb94c2c5762da885a9.mockapi.io/Poems');
13      if (!response.ok) {
14        throw new Error('Failed to fetch poems');
15      }
16      const data = await response.json();
17      setPoems(data);
18    } catch (error) {
19      console.log("Error: " + error);
20    }
21  };
22
23  const updatePoem = async (updatedPoem) => {
24    try {
25      const response = await fetch(`https://65a83fbb94c2c5762da885a9.mockapi.io/Poems/${updatedPoem.id}`, {
26        method: 'PUT',
27        headers: {
28          'Content-Type': 'application/json'
29        },
30        body: JSON.stringify(updatedPoem)
31      });
32      if (!response.ok) {
33        throw new Error('Failed to update poem');
34      }
35      // Update the state with the updated poem
36      const updatedPoems = poems.map(poem => (poem.id === updatedPoem.id ? updatedPoem : poem));
37      setPoems(updatedPoems);
38      console.log('Poem updated successfully');
39    } catch (error) {
40      console.error('Error updating poem:', error);
41    }
42  };
43
44  const deletePoem = async (poemId) => {
45    try {
46      const response = await fetch(`https://65a83fbb94c2c5762da885a9.mockapi.io/Poems/${poemId}`, {
47        method: 'DELETE',
48        headers: {
49          'Content-Type': 'application/json'
50        }
51      });
52  
```



PROMINEO TECH

```
53     if (!response.ok) {
54       throw new Error('Failed to delete poem');
55     }
56     // Update the state by removing the deleted poem
57     const updatedPoems = poems.filter(poem => poem.id !== poemId);
58     setPoems(updatedPoems);
59     console.log('Poem deleted successfully');
60   } catch (error) {
61     console.error('Error deleting poem:', error);
62   }
63 };
64
65
66 useEffect(() => [
67   fetchPoems();
68 ], []);
69
70
71 return (
72   <Container>
73     <Row>
74       <Col xs={12} md={6}>
75         <div className="left-container">
76           <h2>Create New Poem</h2>
77           <PoemForm poems={poems} setPoems={setPoems} fetchPoems={fetchPoems}/>
78         </div>
79       </Col>
80       <Col xs={12} md={6}>
81         <div className="right-container">
82           <h2>Poem List</h2>
83           <PoemList poems={poems} updatePoem={updatePoem} deletePoem={deletePoem}/>
84         </div>
85       </Col>
86     </Row>
87   </Container>
88 );
89 };
90
91 export default CreatePage;
```



PROMINEO TECH

```
JS Footer.js  X
src > components > JS Footer.js > ...
1  import React from 'react';
2  import { Container } from 'react-bootstrap';
3
4  const Footer = () => {
5    return (
6      <footer className="footer-class">
7        <Container className="bg-img-footer">
8          <p className="footer-text">
9            This project was created by Victoria Gonzalez
10          </p>
11        </Container>
12      </footer>
13    );
14  };
15
16  export default Footer;
```



PROMINEO TECH

JS GalleryPage.js X

src > components > JS GalleryPage.js > [e] GalleryPage

```
1  import React from 'react';
2  import Poem from './Poem';
3  import Container from 'react-bootstrap/Container';
4  import Row from 'react-bootstrap/Row';
5  import Col from 'react-bootstrap/Col';
6
7  const GalleryPage = () => {
8    const poems = [
9      {
10       title: 'The Old Pond',
11       author: 'Matsuo Bashō',
12       content: (
13         <>
14           An old silent pond<br />
15           A frog jumps into the pond—<br />
16           Splash! Silence again.
17         </>
18       )
19     },
20     {
21       title: 'Always Marry an April Girl',
22       author: 'Ogden Nash',
23       content: (
24         <>
25           Praise the spells and bless the charms,<br />
26           I found April in my arms.<br />
27           April golden, April cloudy,<br />
28           Gracious, cruel, tender, rowdy;<br />
```



PROMINEO TECH

```
52     }
53   ];
54
55   return (
56     <div>
57       <Container>
58         <h1>Gallery</h1>
59         <Row xs={1} md={2} lg={3} className="g-4">
60           {poems.map((poem, index) => (
61             <Col key={index}>
62               <Poem title={poem.title} author={poem.author} content={poem.content} />
63             </Col>
64           ))}
65         </Row>
66       </Container>
67     </div>
68   );
69 }
70
71 export default GalleryPage;
```

JS Header.js X

src > components > JS Header.js > [e] Header

```
1  import React from 'react';
2  import { Button, ButtonGroup, Container } from 'react-bootstrap';
3  import { Link } from 'react-router-dom';
4  import './styles.css';
5
6  const Header = () => {
7    return (
8      <Container className="bg-img">
9        <div className="d-flex justify-content-between align-items-center py-3">
10          <div>
11            <h1>Poetry Journal</h1>
12            <ButtonGroup>
13              <Link to="/">
14                <Button variant="dark">Home</Button>
15              </Link>
16              <Link to="/GalleryPage">
17                <Button variant="dark">Gallery</Button>
18              </Link>
19              <Link to="/CreatePage">
20                <Button variant="dark">Create</Button>
21              </Link>
22            </ButtonGroup>
23          </div>
24          <div>
25            { /* For future use: Add additional elements or buttons here if needed */ }
26          </div>
27        </div>
28      </Container>
29    );
30  }
```



PROMINEO TECH

```
13     <Link to="/">
14       <Button variant="dark">Home</Button>
15     </Link>
16     <Link to="/GalleryPage">
17       <Button variant="dark">Gallery</Button>
18     </Link>
19     <Link to="/CreatePage">
20       <Button variant="dark">Create</Button>
21     </Link>
22   </ButtonGroup>
23 </div>
24 <div>
25   { /* For future use: Add additional elements or buttons here if needed */ }
26 </div>
27 </div>
28 </Container>
29 );
30 }
31
32
33 export default Header;
```

```
JS Hero.js x
src > components > JS Hero.js > [0] default
1 import React from 'react';
2 import { Container } from 'react-bootstrap';
3
4 const Hero = () => {
5   return (
6     <div className="hero">
7       <Container>
8         <h1>Unleash Your Creativity, Craft Your Own Poetry</h1>
9         <p>
10           Express yourself through the power of poetry. Here, every line you write is a brushstroke on the canvas of your imagination.
11         </p>
12       </Container>
13     </div>
14   );
15 }
16
17 export default Hero;
```



PROMINEO TECH

```
HomePage.js X
src > components > JS HomePage.js > ...
1  import React from 'react';
2  import Hero from './Hero';
3  import './styles.css';
4
5  const HomePage = () => {
6    return (
7      <Hero />
8    );
9  }
10
11  export default HomePage;
```

```
JS Poem.js X
src > components > JS Poem.js > [X] default
1  import React from 'react';
2  import Card from 'react-bootstrap/Card';
3
4  const Poem = ({ title, author, content }) => {
5    return (
6      <Card style={{ height: '100%', overflowY: 'auto' }}>
7        <Card.Body style={{ maxHeight: '200px', overflowY: 'auto' }}>
8          <Card.Title>{title}</Card.Title>
9          <Card.Subtitle className="mb-2 text-muted">{author}</Card.Subtitle>
10         <Card.Text>{content}</Card.Text>
11        </Card.Body>
12      </Card>
13    );
14  }
15
16  export default Poem;
```




PROMINEO TECH

```
JS PoemForm.js X
src > components > JS PoemForm.js > [e] PoemForm > [e] addPoem
1  import React, { useState } from 'react';
2  import Form from 'react-bootstrap/Form';
3  import Button from 'react-bootstrap/Button';
4
5  const PoemForm = ({poems, setPoems, fetchPoems}) => {
6    const [title, setTitle] = useState('');
7    const [author, setAuthor] = useState('');
8    const [content, setContent] = useState('');
9
10   const URL_ENDPOINT = 'https://65a83fbb94c2c5762da885a9.mockapi.io/Poems'
11
12   const addPoem = async (newPoem) => {
13
14     try {
15       let response = await fetch(URL_ENDPOINT, {
16         method: 'POST',
17         headers: {
18           'Content-Type': 'application/json'
19         },
20         body: JSON.stringify(newPoem)
21       });
22       let data = await response.json();
23       fetchPoems();
24     } catch (error) {
25       console.error('Error:', error);
26     }
27   }
28 }
```



PROMINEO TECH

```
31  ✓ const handleSubmit = async (event) => {
32    event.preventDefault();
33
34  ✓  const newPoem = {
35    Title: title,
36    Author: author,
37    Content: content
38  };
39
40    await addPoem(newPoem);
41
42    // Clears form fields
43    setTitle('');
44    setAuthor('');
45    setContent('');
46  };
47
48  ✓  return (
49  ✓    <Form onSubmit={handleSubmit}>
50  ✓      <Form.Group className="mb-3" controlId="formTitle">
51        <Form.Label>Title</Form.Label>
52        <Form.Control type="text" value={title} onChange={(e) => setTitle(e.target.value)} required />
53      </Form.Group>
54  ✓      <Form.Group className="mb-3" controlId="formAuthor">
55        <Form.Label>Author</Form.Label>
56        <Form.Control type="text" value={author} onChange={(e) => setAuthor(e.target.value)} required />
57      </Form.Group>
```

```
58  ✓    <Form.Group className="mb-3" controlId="formContent">
59        <Form.Label>Content</Form.Label>
60        <Form.Control as="textarea" rows={3} value={content} onChange={(e) => setContent(e.target.value)} required />
61      </Form.Group>
62      <Button variant="dark" type="submit">Submit</Button>
63    </Form>
64  ✓  );
65  ✓  };
66
67  export default PoemForm;
```



PROMINEO TECH

```
JS PoemList.js X
src > components > JS PoemList.js > [🔍] default
1  import React, { useState } from 'react';
2  import UpdateForm from './UpdateForm';
3
4  const PoemList = ({ poems, updatePoem, deletePoem }) => {
5    const [selectedPoem, setSelectedPoem] = useState(null);
6
7    const handleEdit = (poem) => {
8      setSelectedPoem(poem);
9    };
10   return (
11     <div>
12       {poems.map(poem => (
13         <div key={poem.id}>
14           <h3>{poem.Title}</h3>
15           <p>Author: {poem.Author}</p>
16           <p>Poem:</p>
17           <p>{poem.Content}</p>
18           <button onClick={() => handleEdit(poem)}>Edit</button> { /* Edit button */}
19           <button onClick={() => deletePoem(poem.id)}>Delete</button> { /* Delete button */}
20           {selectedPoem && selectedPoem.id === poem.id && (
21             <UpdateForm poem={selectedPoem} updatePoem={updatePoem} />
22           )}
23         </div>
24       ))}
25     </div>
26   );
27 };
28
29 export default PoemList;
```



PROMINEO TECH

```
# styles.css X
src > components > # styles.css > ...
1  @import url('https://fonts.googleapis.com/css2?family=Pacifico&display=swap');
2
3  .bg-img {
4      position: relative;
5      background-image: url('https://i.imgur.com/zG8FCL1.png');
6      background-size: cover;
7      background-position: center;
8      background-repeat: no-repeat;
9      border-radius: 10px;
10
11     h1 {
12         font-family: 'Pacifico', cursive;
13         color: white;
14     }
15 }
16
17 .bg-img::before {
18     content: '';
19     position: absolute;
20     top: 0;
21     left: 0;
22     width: 100%;
23     height: 100%;
24     background-color: rgba(0, 0, 0, .25);
25     border-radius: 10px;
26 }
27
28 .hero {
29     background-image: url('https://i.imgur.com/YURIEeV.png');
30     background-size: cover;
31     background-position: center;
32     background-repeat: no-repeat;
33     padding: 200px 0;
34     text-align: center;
35     margin-top: 20px;
36     margin-bottom: 20px;
37 }
```



PROMINEO TECH

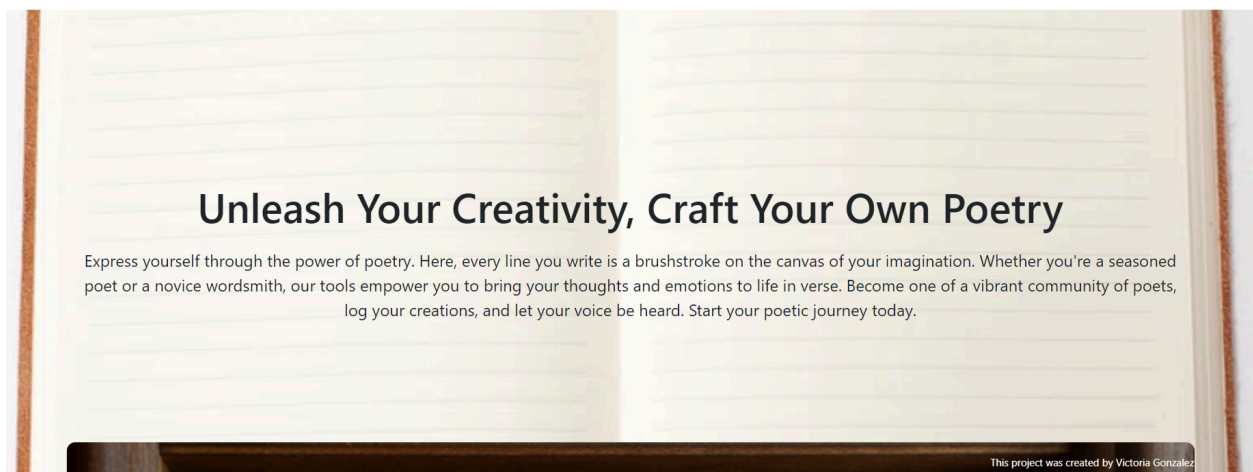
```
# styles.css X
src > components > # styles.css > .hero
37   }
38
39   .hero h1 {
40     font-size: 3rem;
41     margin-bottom: 20px;
42   }
43
44   .hero p {
45     font-size: 1.2rem;
46     margin-bottom: 40px;
47   }
48
49   .footer-class {
50     background-size: cover;
51     color: white;
52     padding: 20px;
53     position: fixed;
54     bottom: 0;
55     left: 0;
56     right: 0; /* Ensure the footer spans the full width */
57   }
58
59   .footer-text {
60     position: absolute;
61     bottom: 0;
62     right: 0;
63     text-align: right;
64     font-size: 12px;
65   }
66
67   .bg-img-footer {
68     position: fixed;
69     bottom: 0;
70     left: 0;
71     right: 0; /* Ensure the footer spans the full width */
72     height: 0.5in;
73     background-image: url('https://i.imgur.com/zG8FCL1.png');
```



PROMINEO TECH

```
74     background-size: cover;
75     background-position: center;
76     background-repeat: no-repeat;
77     border-radius: 10px;
78 }
79
80 .bg-img-footer::before {
81     content: '';
82     position: absolute;
83     top: 0;
84     left: 0;
85     width: 100%;
86     height: 100%;
87     background-color: rgba(0, 0, 0, 0.25);
88     border-radius: 10px;
89 }
```

Screenshots of Running Application:





PROMINEO TECH

Poetry Journal

Home Gallery Create

Gallery

The Old Pond

Matsuo Bashō

An old silent pond
A frog jumps into the pond—
Splash! Silence again.

Always Marry an April Girl

Ogden Nash

Praise the spells and bless the charms,
I found April in my arms.
April golden, April cloudy,
Gracious, cruel, tender, rowdy;
April soft in flowered languor,

Fire & Ice

Robert Frost

Some say the world will end in fire,
Some say in ice.
From what I've tasted of desire
I hold with those who favour fire.
But if it had to perish twice,

This project was created by Victoria Gonzalez

Poetry Journal

Home Gallery Create

Create New Poem

Title

Author

Content

Submit

Poem List

Trees of Life

Author: Victoria Gonzalez

Poem:

This tree bears no fruit And that tree sprouts no leaves. Together both are barren,
Together their roots weave. Alone they stand in open field Around them only grass And as
the cold wind howls through Time, they know, will pass. Along the edges of this field A
denser forest lies. But beyond its walls only blossoms And evergreens reside. So here they
stand, side-by-side One weathered with wisdom grey The other fresh but forever weeping
And yet they grow closer anyway.

Edit

Delete

This project was created by Victoria Gonzalez



PROMINEO TECH

Create New Poem

Title

TEST TITLE

Author

TEST AUTHOR

Content

TEST CONTENT

Submit



Poem List

Trees of Life

Author: Victoria Gonzalez

Poem:

This tree bears no fruit And that tree sprouts no leaves. Together both are barren,
Together their roots weave. Alone they stand in open field Around them only grass And as
the cold wind howls through Time, they know, will pass. Along the edges of this field A
denser forest lies. But beyond its walls only blossoms And evergreens reside. So here they
stand, side-by-side One weathered with wisdom grey The other fresh but forever weeping
And yet they grow closer anyway.

[Edit](#)[Delete](#)

TEST TITLE

Author: TEST AUTHOR

Poem:

TEST CONTENT

[Edit](#)[Delete](#)



TEST TITLE

Author: TEST AUTHOR

Poem:

TEST CONTENT

Edit

Delete

Title

Change this title

Author

Change this author

Content

Change this content

Update

Change this title

Author: Change this author

Poem:

Change this content

Edit

Delete

Form submitted successfully!



PROMINEO TECH

URL to GitHub Repository:

<https://github.com/Vshea/Final-Project>