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

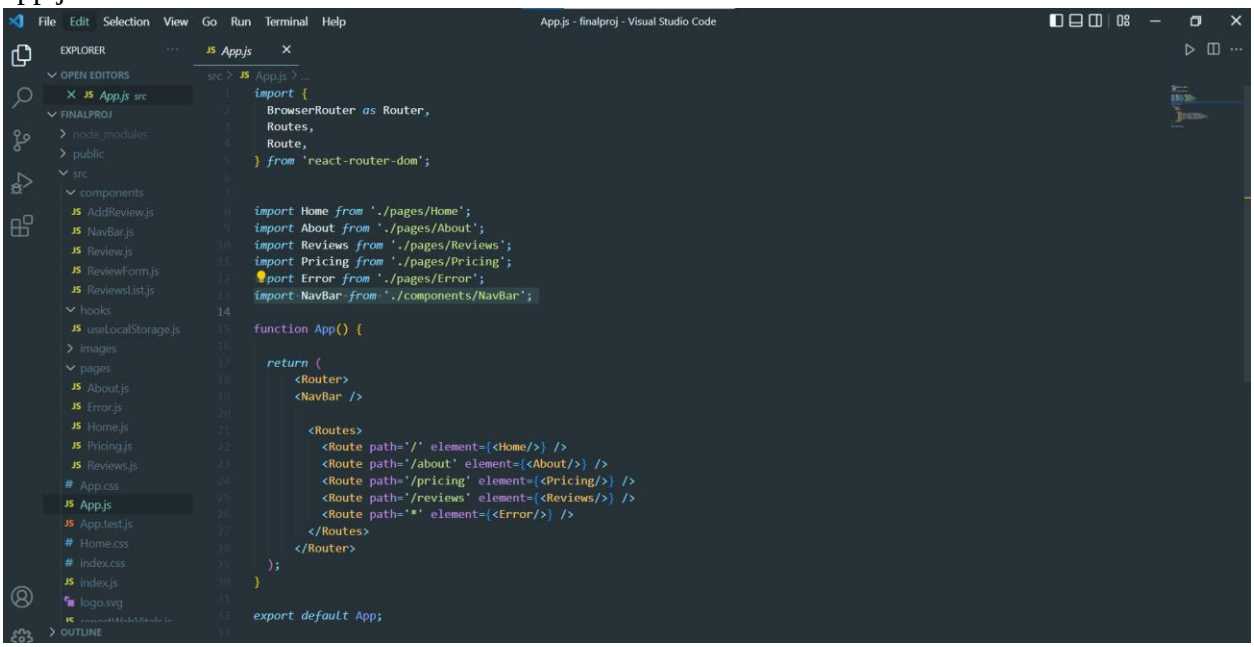
Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in 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

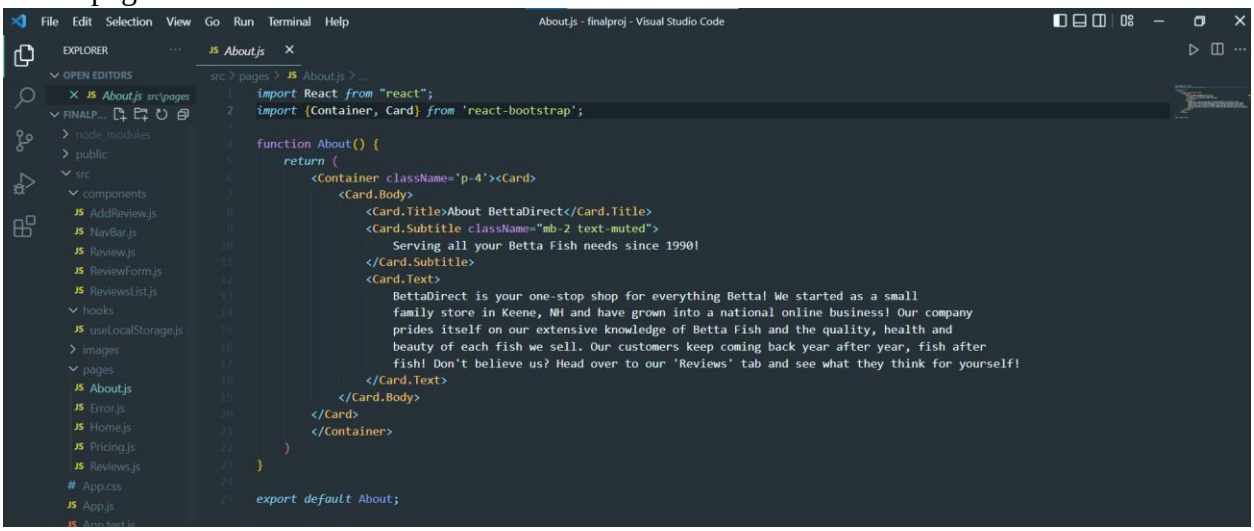
Screenshots of Code:

app.js



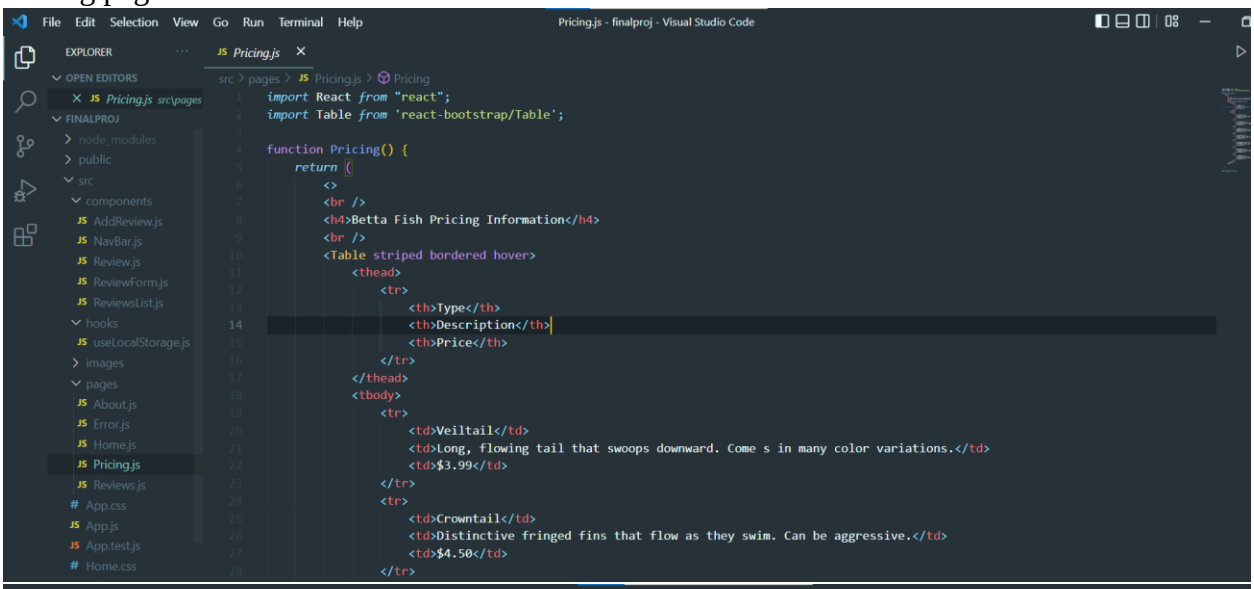
Home page

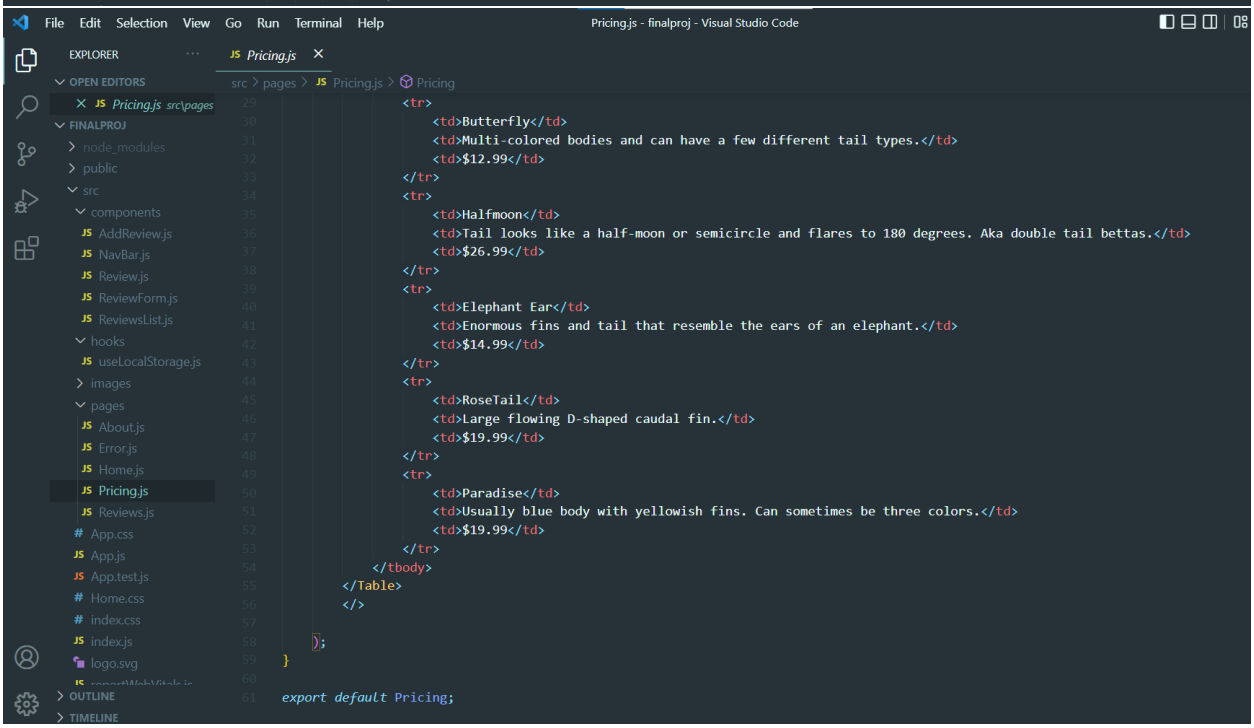
About page


File Edit Selection View Go Run Terminal Help
About.js - finalproj - Visual Studio Code
EXPLORER
OPEN EDITORS
About.js src\pages
FINALP...
node_modules
public
src
components
AddReview.js
NavBar.js
Review.js
ReviewForm.js
ReviewsList.js
hooks
useLocalStorage.js
images
pages
About.js
Error.js
Home.js
Pricing.js
Reviews.js
App.css
App.js
src > pages > About.js > ...
import React from "react";
import {Container, Card} from 'react-bootstrap';
function About() {
return (
<Container className='p-4'><Card>
<Card.Body>
<Card.Title>About BettaDirect</Card.Title>
<Card.Subtitle className="mb-2 text-muted">
Serving all your Betta Fish needs since 1990!
</Card.Subtitle>
<Card.Text>
BettaDirect is your one-stop shop for everything Betta! We started as a small
family store in Keene, NH and have grown into a national online business! Our company
prides itself on our extensive knowledge of Betta Fish and the quality, health and
beauty of each fish we sell. Our customers keep coming back year after year, fish after
fish! Don't believe us? Head over to our 'Reviews' tab and see what they think for yourself!
</Card.Text>
</Card.Body>
</Card>
</Container>
)
}
export default About;

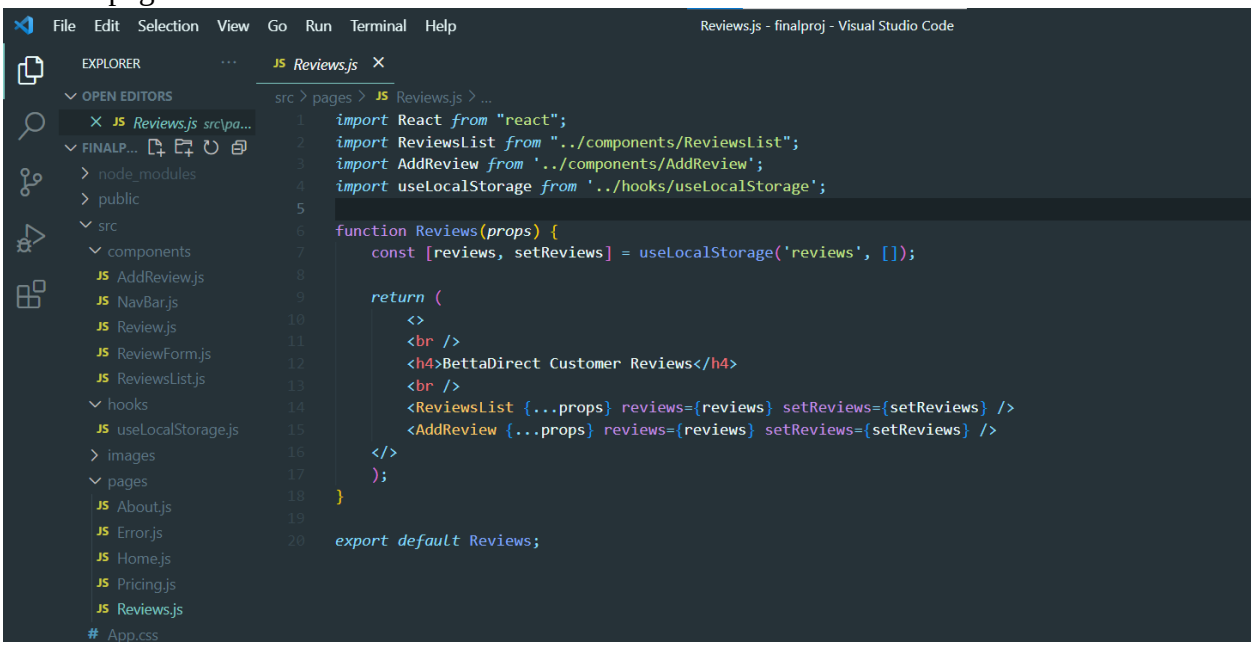
PROMINEO TECH

Pricing page

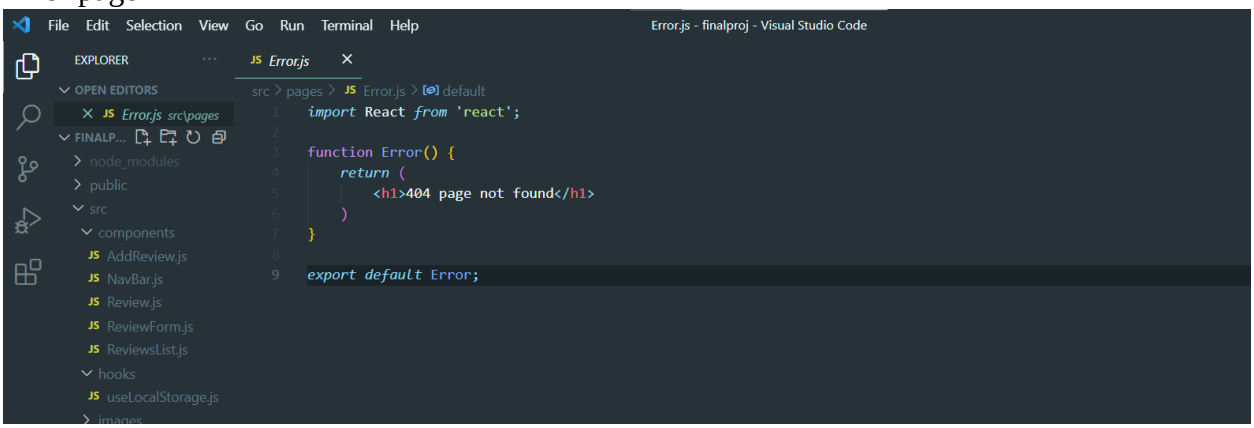




Review page

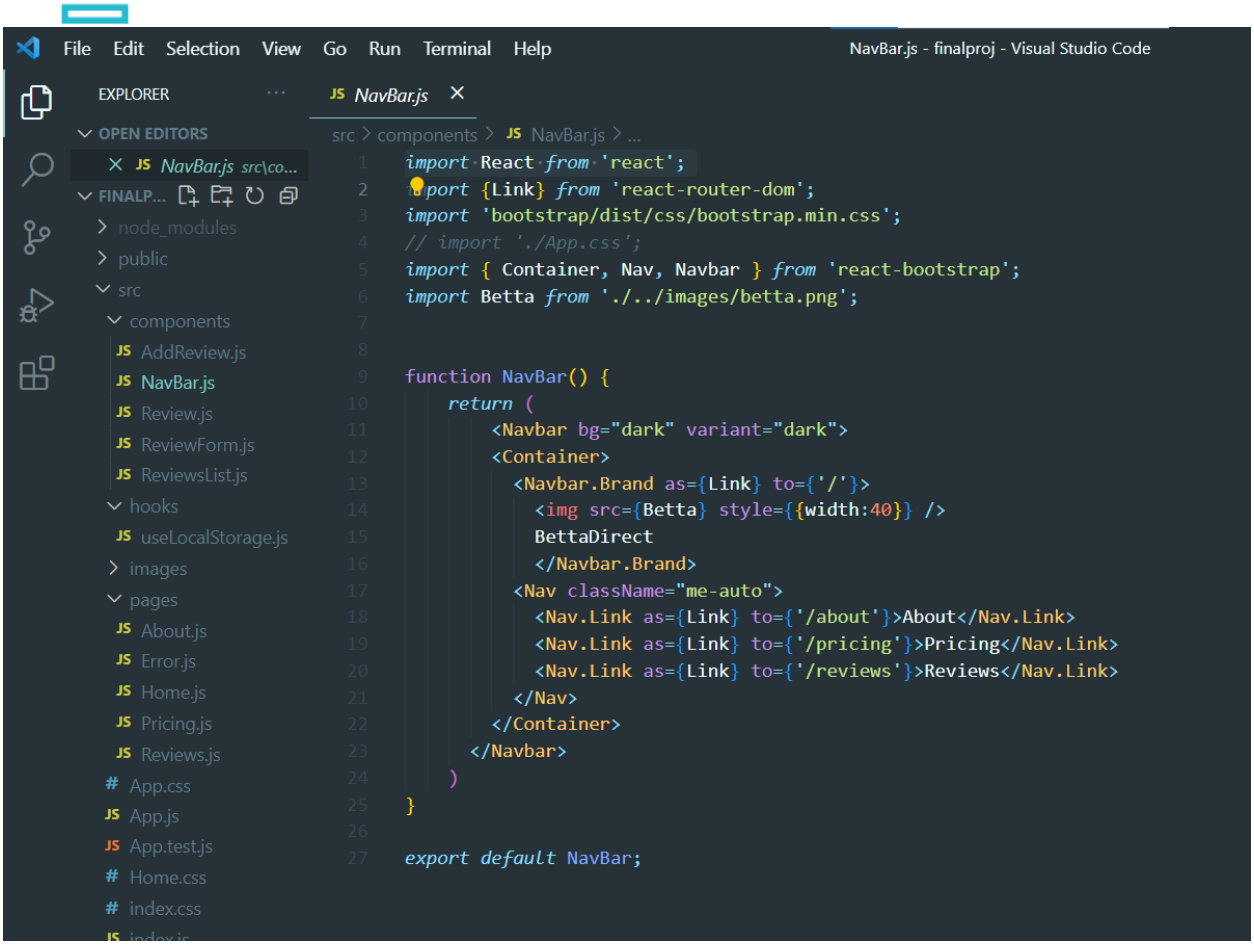


Error page



Components:

PROMINEO TECH



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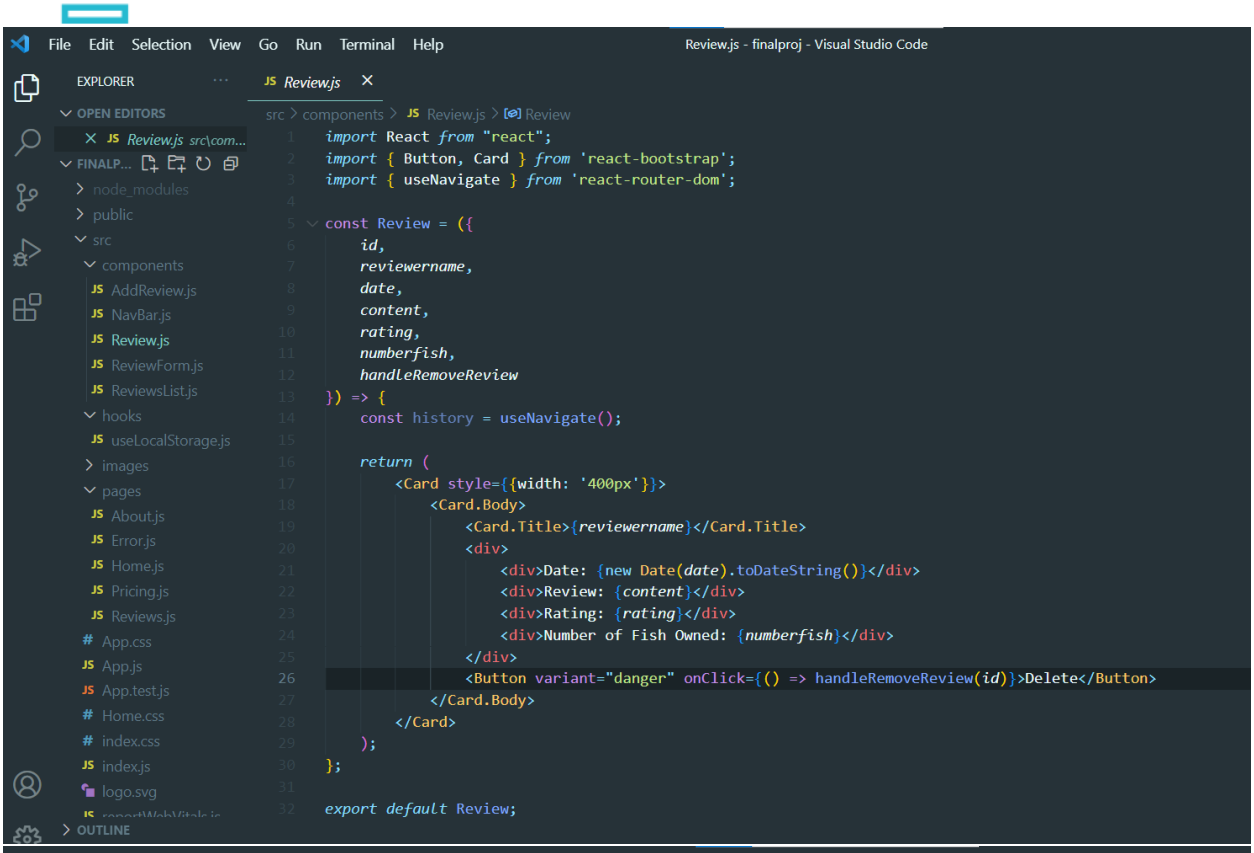
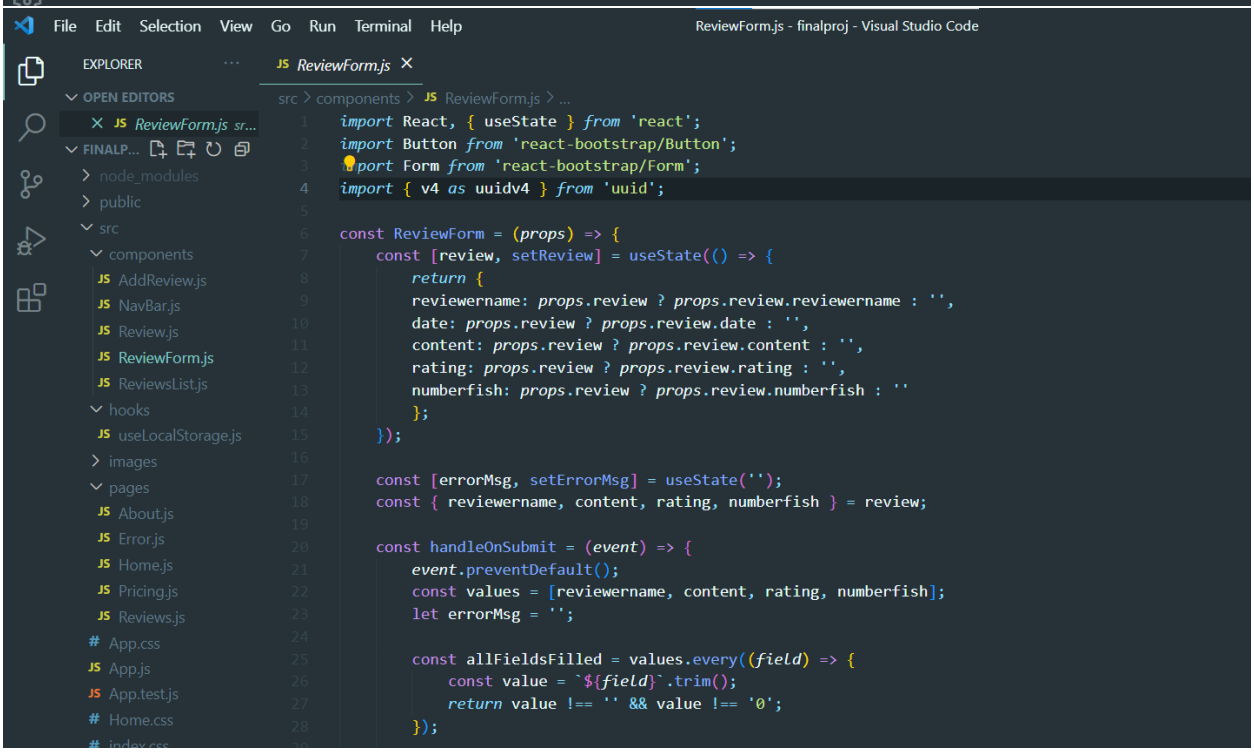
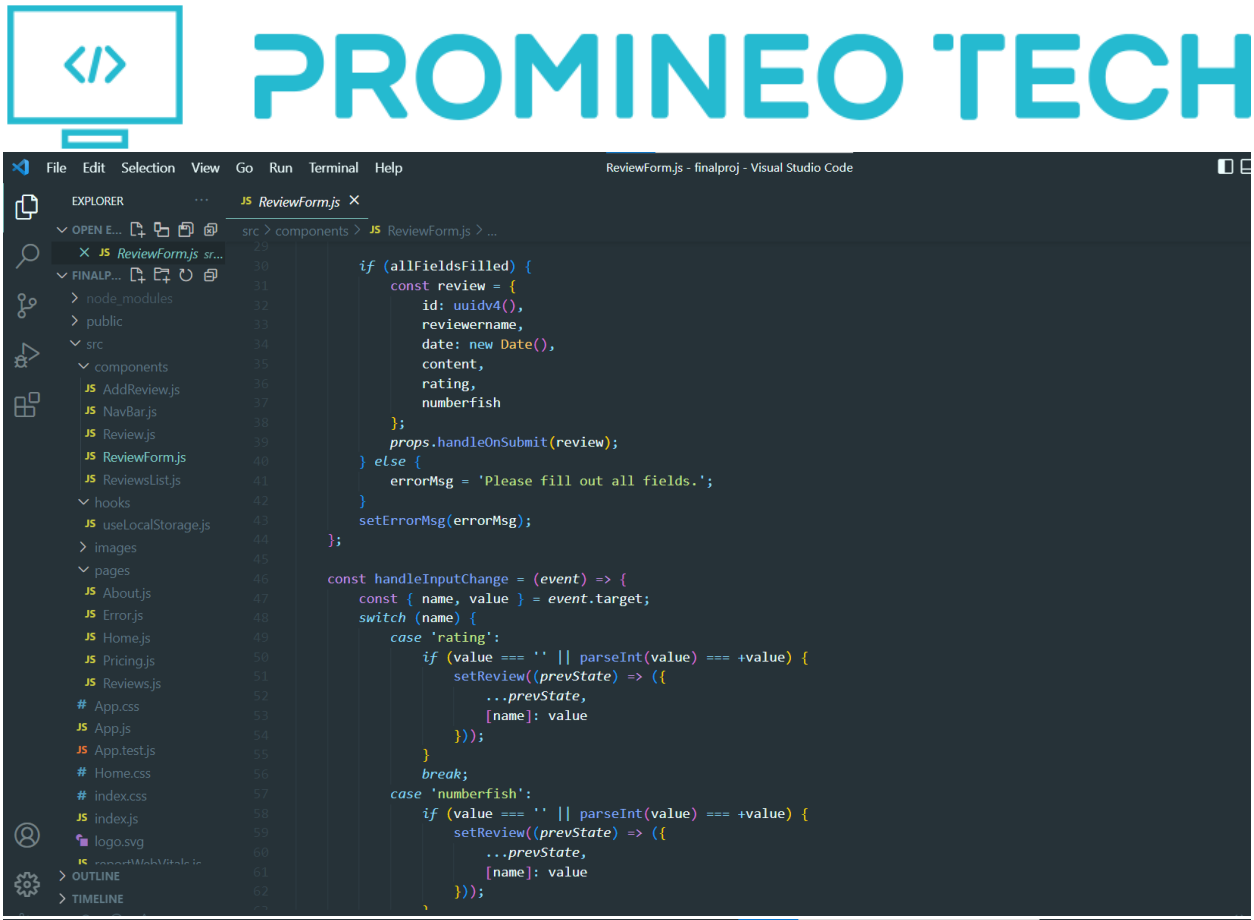
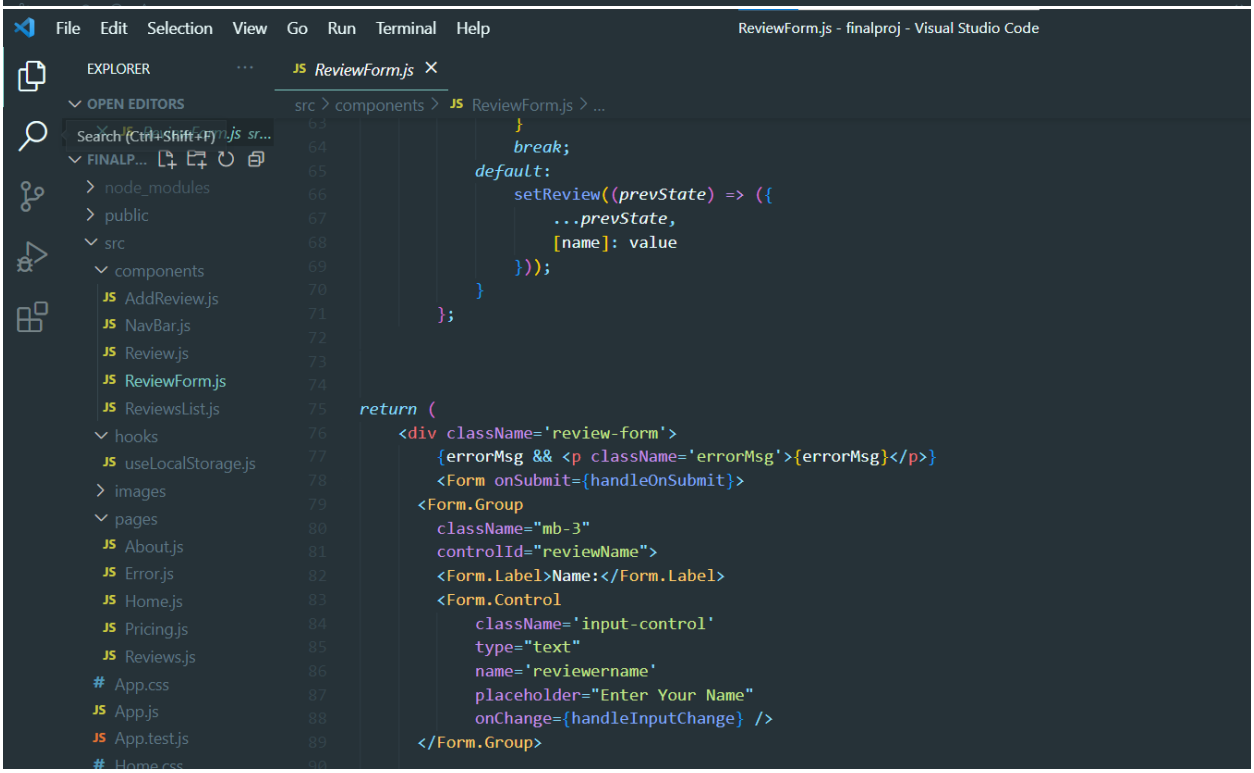


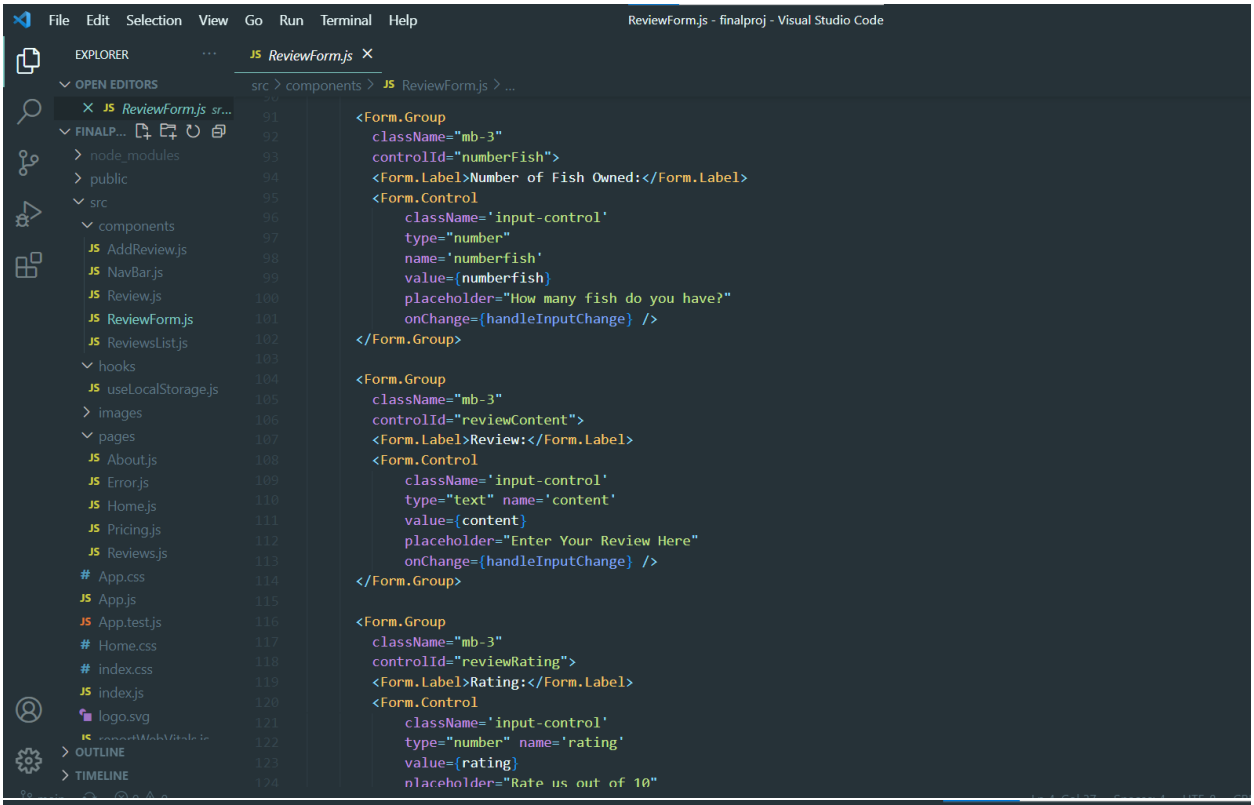


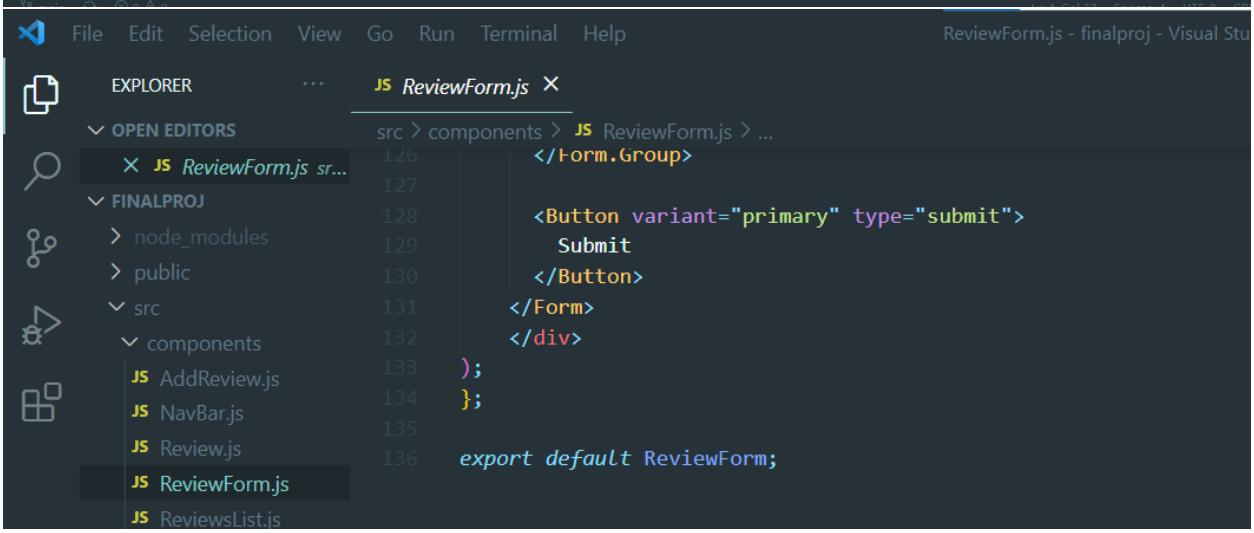

File Edit Selection View Go Run Terminal Help
ReviewForm.js - finalproj - Visual Studio Code
EXPLORER
ReviewForm.js
src > components > ReviewForm.js > ...
OPEN E...
FINALP...
node_modules
public
src
components
AddReview.js
NavBar.js
Review.js
ReviewForm.js
ReviewsList.js
hooks
useLocalStorage.js
images
pages
About.js
Error.js
Home.js
Pricing.js
Reviews.js
App.css
App.js
App.test.js
Home.css
index.css
index.js
logo.svg
OUTLINE
TIMELINE
if (allFieldsFilled) {
const review = {
id: uuidv4(),
reviewername,
date: new Date(),
content,
rating,
numberfish
};
props.handleOnSubmit(review);
} else {
errorMsg = 'Please fill out all fields.';
}
setErrorMsg(errorMsg);
};
const handleInputChange = (event) => {
const { name, value } = event.target;
switch (name) {
case 'rating':
if (value === '' || parseInt(value) === +value) {
setReview((prevState) => ({
...prevState,
[name]: value
}));
}
break;
case 'numberfish':
if (value === '' || parseInt(value) === +value) {
setReview((prevState) => ({
...prevState,
[name]: value
}));

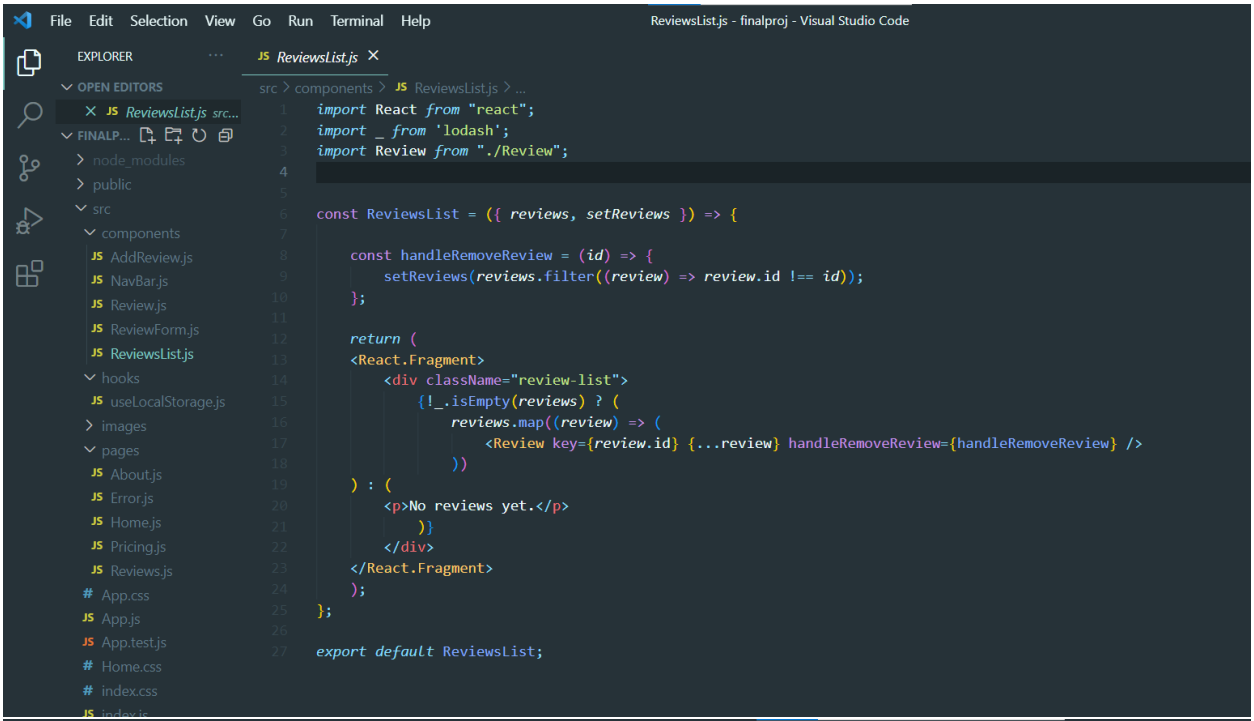

File Edit Selection View Go Run Terminal Help
ReviewForm.js - finalproj - Visual Studio Code
EXPLORER
ReviewForm.js
src > components > ReviewForm.js > ...
OPEN EDITORS
Search (Ctrl+Shift+F)
FINALP...
node_modules
public
src
components
AddReview.js
NavBar.js
Review.js
ReviewForm.js
ReviewsList.js
hooks
useLocalStorage.js
images
pages
About.js
Error.js
Home.js
Pricing.js
Reviews.js
App.css
App.js
App.test.js
}
break;
default:
setReview((prevState) => ({
...prevState,
[name]: value
}));
}
};
return (

{errorMsg && {errorMsg} }
<Form onSubmit={handleOnSubmit}>
<Form.Group
className="mb-3"
controlId="reviewName">
<Form.Label>Name:</Form.Label>
<Form.Control
className='input-control'
type="text"
name='reviewername'
placeholder="Enter Your Name"
onChange={handleInputChange} />
</Form.Group>

PROMINEO TECH

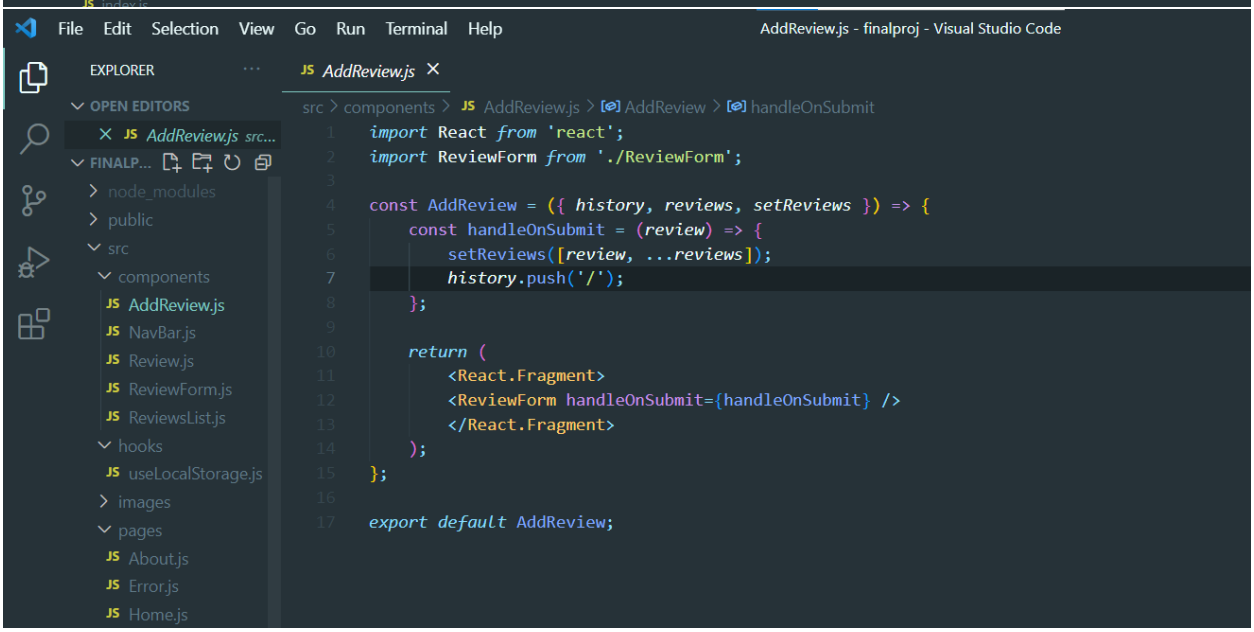





File Edit Selection View Go Run Terminal Help
ReviewsList.js - finalproj - Visual Studio Code
EXPLORER
ReviewsList.js
OPEN EDITORS
FINALP...
node_modules
public
src
components
AddReview.js
NavBar.js
Review.js
ReviewForm.js
ReviewsList.js
hooks
useLocalStorage.js
images
pages
About.js
Error.js
Home.js
Pricing.js
Reviews.js
App.css
App.js
App.test.js
Home.css
index.css
src > components > ReviewsList.js > ...
import React from "react";
import _ from 'lodash';
import Review from "./Review";
const ReviewsList = ({ reviews, setReviews }) => {
const handleRemoveReview = (id) => {
setReviews(reviews.filter((review) => review.id !== id));
};
return (
<React.Fragment>

{!_.isEmpty(reviews) ? (
reviews.map((review) => (
<Review key={review.id} {...review} handleRemoveReview={handleRemoveReview} />
))
) : (
No reviews yet.
)}

</React.Fragment>
);
};
export default ReviewsList;


File Edit Selection View Go Run Terminal Help
AddReview.js - finalproj - Visual Studio Code
EXPLORER
AddReview.js
OPEN EDITORS
FINALP...
node_modules
public
src
components
AddReview.js
NavBar.js
Review.js
ReviewForm.js
ReviewsList.js
hooks
useLocalStorage.js
images
pages
About.js
Error.js
Home.js
src > components > AddReview.js > AddReview > handleOnSubmit
import React from 'react';
import ReviewForm from './ReviewForm';
const AddReview = ({ history, reviews, setReviews }) => {
const handleOnSubmit = (review) => {
setReviews([review, ...reviews]);
history.push('/');
};
return (
<React.Fragment>
<ReviewForm handleOnSubmit={handleOnSubmit} />
</React.Fragment>
);
};
export default AddReview;

Hooks

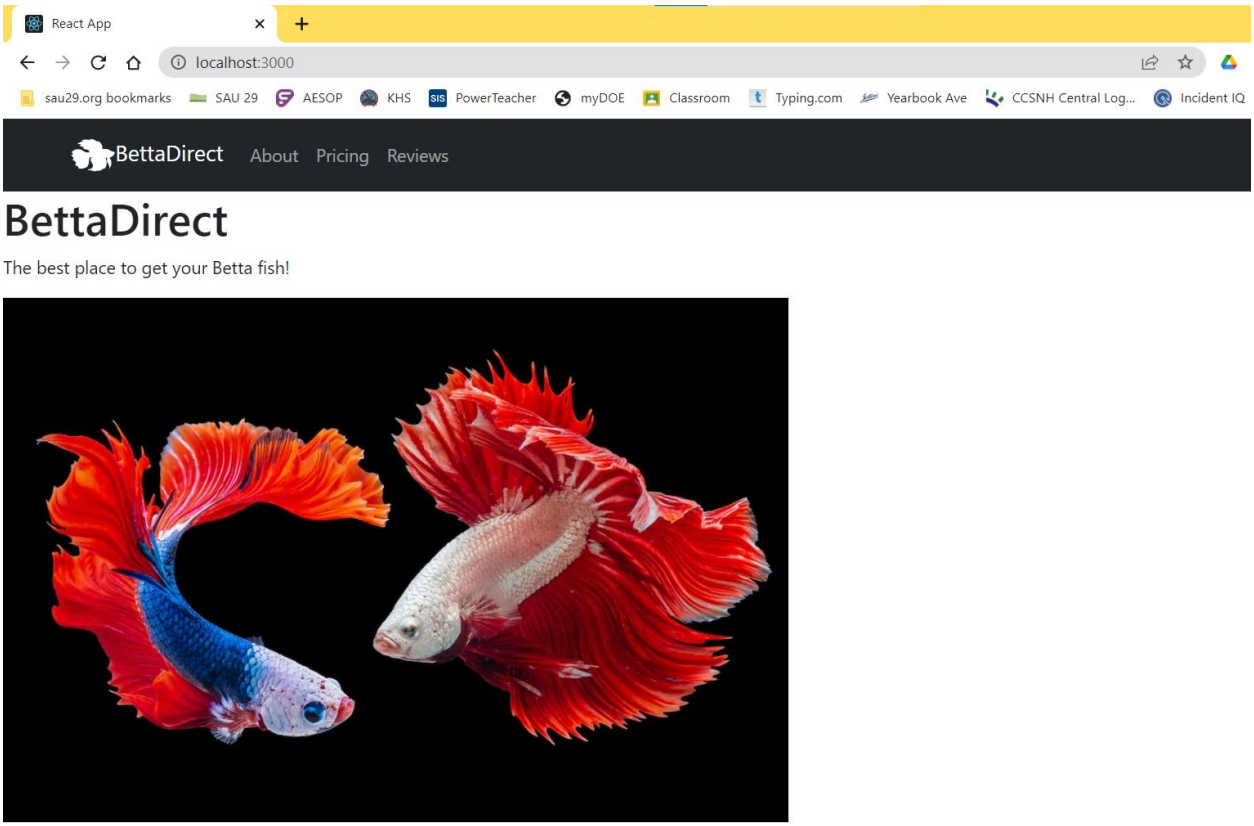
File Edit Selection View Go Run Terminal Help
useLocalStorage.js - finalproj - Visual Studio Code
EXPLORER
useLocalStorage.js
OPEN EDITORS
FINALP...
node_modules
public
src
components
AddReview.js
NavBar.js
Review.js
ReviewForm.js
ReviewsList.js
hooks
useLocalStorage.js
images
pages
About.js
Error.js
Home.js
Pricing.js
Reviews.js
src > hooks > useLocalStorage.js > default
import { useState, useEffect } from 'react';
const useLocalStorage = (key, initialValue) => {
const [value, setValue] = useState(() => {
try {
const localValue = window.localStorage.getItem(key);
return localValue ? JSON.parse(localValue) : initialValue;
} catch (error) {
return initialValue;
}
});
useEffect(() => {
window.localStorage.setItem(key, JSON.stringify(value));
}, [key, value]);
return [value, setValue];
};
export default useLocalStorage;

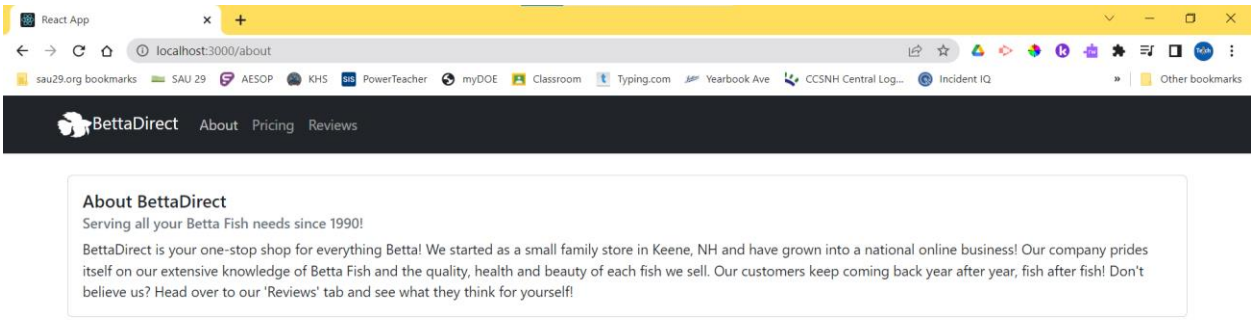
Index.js

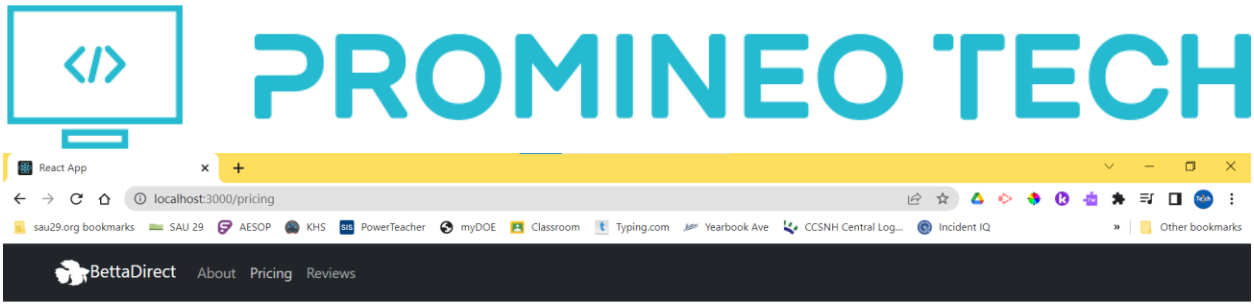
index.js
src > index.js > ...
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';
import './App.css';
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
<React.StrictMode>
<App />
</React.StrictMode>
);
// If you want to start measuring performance in your app, pass a function
// to log results (for example: reportWebVitals(console.log))
// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
reportWebVitals();

PROMINEO TECH

Screenshots of Running Application:



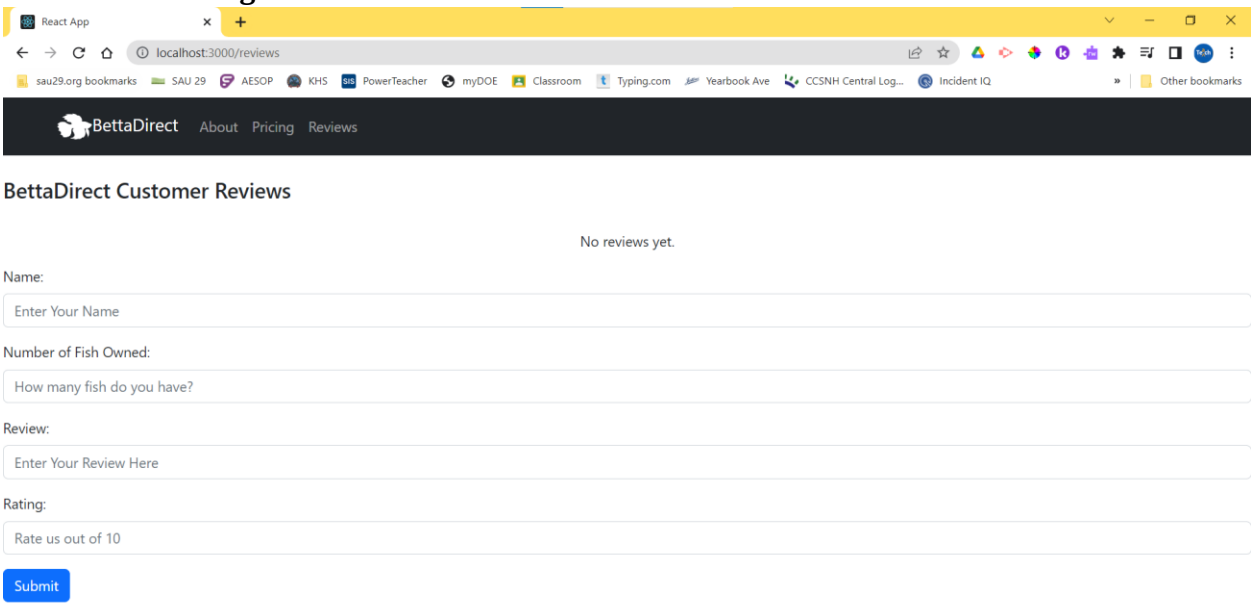




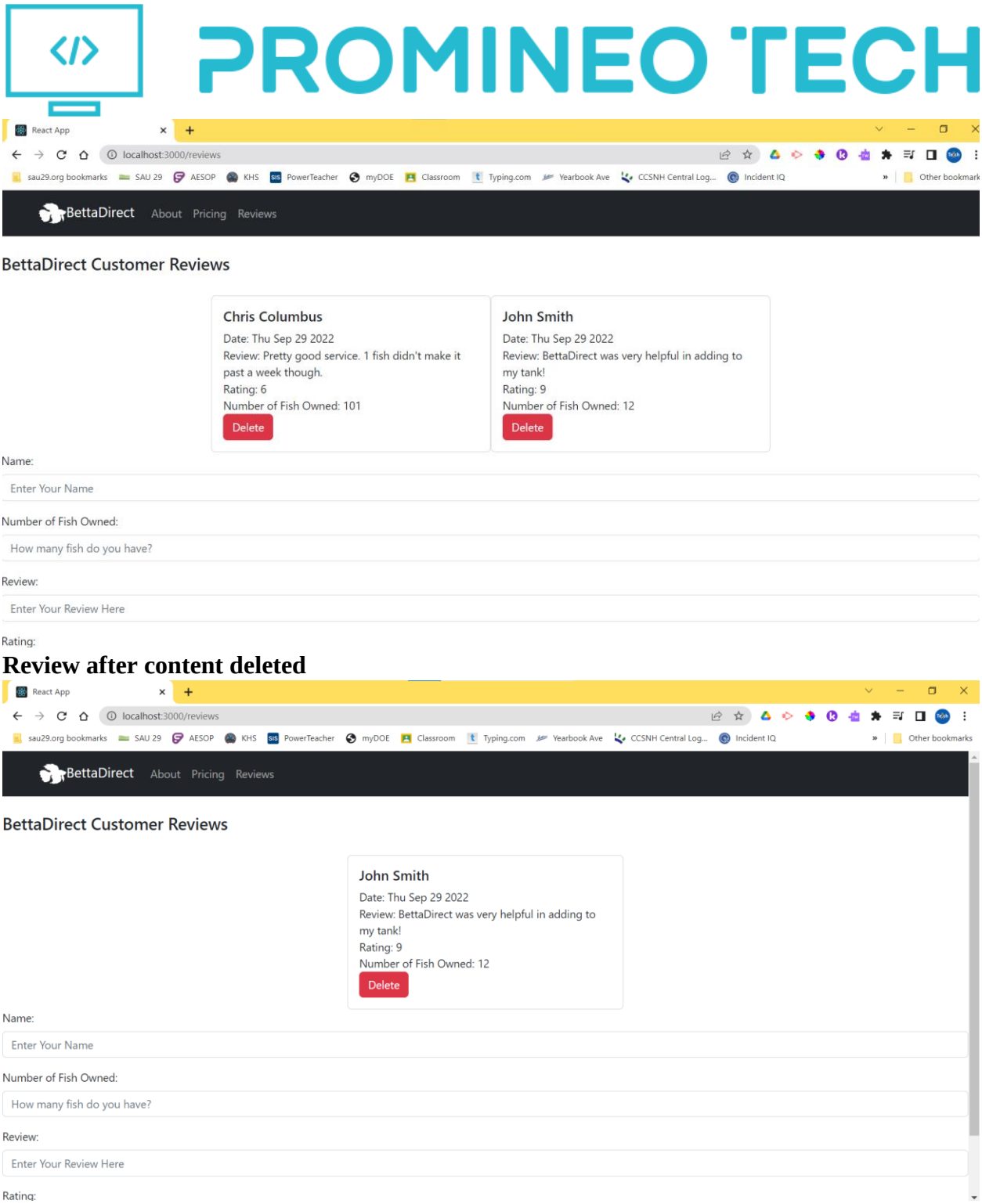
Betta Fish Pricing Information

Type	Description	Price
Veiltail	Long, flowing tail that swoops downward. Come s in many color variations.	$3.99
Crowntail	Distinctive fringed fins that flow as they swim. Can be aggressive.	$4.50
Butterfly	Multi-colored bodies and can have a few different tail types.	$12.99
Halfmoon	Tail looks like a half-moon or semicircle and flares to 180 degrees. Aka double tail bettas.	$26.99
Elephant Ear	Enormous fins and tail that resemble the ears of an elephant.	$14.99
RoseTail	Large flowing D-shaped caudal fin.	$19.99
Paradise	Usually blue body with yellowish fins. Can sometimes be three colors.	$19.99

Review w/ nothing added

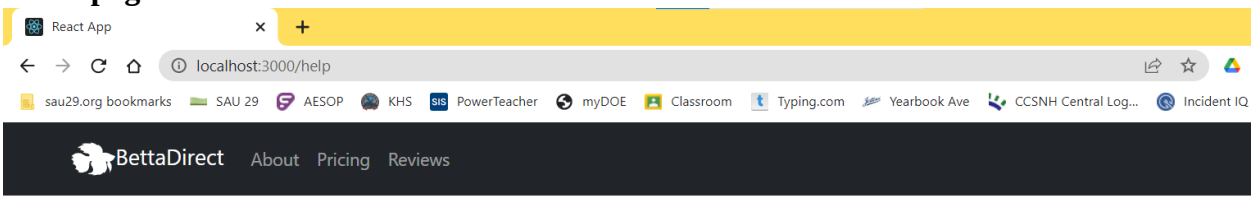


Review w/ content added



Review after content deleted

Error page



URL to GitHub Repository:

https://github.com/dmoylan1/finalProject.git