FeedBack -HOC-App Case

Study

Project Structure

withValidation.jsx

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

const withValidation = (WrappedComponent) => {
  return function ValidatedComponent(props) {
    const [error, setError] = useState("");

    const validate = (fields) => {
```

```
for (const key in fields) {
    if (!fields[key]) {
      setError(`Please fill out the ${key} field`);
      return false;
    }
   }
   setError("");
   return true;
  };
  return (
   <div>
    {error && {error}}
    <WrappedComponent {...props} validate={validate} />
   </div>
  );
};
};
export default with Validation;
withAuthentication.jsx
import React from "react";
import { Navigate } from "react-router-dom";
const withAuthentication = (WrappedComponent) => {
 return function AuthenticatedComponent(props) {
```

```
const isLoggedIn = localStorage.getItem("employee"); // Mock login
  if (!isLoggedIn) {
   return <Navigate to="/login" />;
  }
  return <WrappedComponent {...props} />;
};
};
export default withAuthentication;
withLogging.jsx
import React, { useEffect } from "react";
const withLogging = (WrappedComponent) => {
 return function LoggingComponent(props) {
  useEffect(() => {
   console.log("Form Opened");
  }, []);
  const logAction = (message) => {
   console.log("LOG:", message);
  };
  return <WrappedComponent {...props} logAction={logAction} />;
 };
```

```
};
```

export default withLogging;

FeedbackForm.jsx

```
import React, { useState } from "react";
const FeedbackForm = ({ validate, logAction }) => {
 const [formData, setFormData] = useState({
  milestone: "",
  comments: "",
 });
 const handleChange = (e) => {
  setFormData({ ...formData, [e.target.name]: e.target.value });
 };
 const handleSubmit = (e) => {
  e.preventDefault();
  if (validate(formData)) {
   logAction(`Feedback Submitted: ${JSON.stringify(formData)}`);
   alert("Feedback Submitted Successfully!");
  } else {
   logAction("Validation Error Occurred");
  }
 };
```

```
return (
  <form onSubmit={handleSubmit}>
   <label>
    Milestone 2 Completed?:
    <select name="milestone" value={formData.milestone}</pre>
onChange={handleChange}>
      <option value="">--Select--</option>
      <option value="Yes">Yes</option>
      <option value="No">No</option>
    </select>
   </label>
   <br />
   <label>
    Comments:
    <input
     type="text"
      name="comments"
     value={formData.comments}
     onChange={handleChange}
    />
   </label>
   <br />
   <button type="submit">Submit Feedback</button>
  </form>
 );
};
```

Wrapping FeedbackForm with HOCs in App.jsx

```
import React from "react";
import FeedbackForm from "./components/FeedbackForm";
import with Validation from "./components/with Validation";
import withAuthentication from "./components/withAuthentication";
import withLogging from "./components/withLogging";
const EnhancedFeedbackForm = withAuthentication(
 withValidation(
  withLogging(FeedbackForm)
 )
);
const App = () => {
 return (
  <div>
   <h2>Employee Feedback Portal</h2>
   <EnhancedFeedbackForm />
  </div>
 );
};
export default App;
```