ONLineFile - User Manual & Frontend Documentation

Version 2.0 | Developed using ReactJS, Axios, and React-Bootstrap

1. Overview

ONLineFile is a secure, modern cloud storage web application built with React.js. It allows users to register, log in, upload, share, and manage files with bank-level encryption and smart link sharing. This manual provides details on each frontend module, their purpose, and usage instructions for end users.

2. App.js (Main Router)

The App.js file manages routing using React Router DOM. It defines protected and public routes for Login, Signup, Home (Body), and FileManager components. ProtectedRoute ensures that only authenticated users can access FileManager.

3. Body.jsx (Landing Page)

The Body component serves as the homepage of ONLineFile. It contains dynamic animations, feature highlights, and navigation buttons to login or sign up. It uses several icons from FontAwesome to display platform features such as bank-level security, global access, QR code sharing, and mobile optimization.

4. Header.jsx & Footer.jsx (Navigation and Branding)

Header provides navigation across the site with mobile responsiveness, including links to Home, Login, Signup, and About pages. Footer contains brand info, contact links, newsletter signup, and social media integrations. Both components feature modern gradients and responsive design.

5. Login.jsx (Authentication - JWT Login)

Handles user authentication using JWT tokens. Axios is configured to send login credentials to the backend and store the JWT token in localStorage. Successful login redirects users to the FileManager page. Includes password visibility toggles and input validation.

6. Signup.jsx (User Registration)

This component enables new users to register by providing name, email, and password. It validates inputs, checks password strength, and ensures password confirmation. Once registered, users are redirected to the login page. Includes dynamic strength indicators and validation messages.

7. ProtectedRoute.jsx (Session Validation)

Verifies JWT token validity with a backend API (/api/me). If the session is valid, it renders the requested child route. Otherwise, users are redirected to the login page. This ensures secure access to restricted components.

8. FileManager.jsx (Core File Management UI)

The FileManager is the main user interface for file operations. Key functionalities include: • Uploading files with progress tracking and type validation. • Displaying all files with icons based on file type. • Downloading, deleting, and sharing files with temporary links. • Generating QR codes for shared links. • Viewing file details via modal popups. • Logout functionality clearing JWT token and redirecting to login. FileManager uses Axios for RESTful communication with the backend API and React-Bootstrap components for modern UI styling.

9. Technical Stack & Dependencies

Library / Tool	Purpose
React.js	Frontend framework for UI components
React Router DOM	Navigation and routing control
Axios	HTTP client for backend communication
React-Bootstrap	Modern styled UI components
FontAwesome (react-icons)	Iconography and visuals
QRCode.react	QR code generation for shared links

10. End User Instructions

1   Go to the ONLineFile homepage and click 'Sign Up' to create a new account.
2   After signup, log in with your credentials to access your FileManager.
3   Upload files using the upload form (max 200MB per file).
4   View, download, delete, or share files using provided icons.
5   Use 'Logout' to securely end your session.

11. Conclusion

ONLineFile delivers a full-featured, secure cloud management experience built with React and Axios. Its modular design, responsive interface, and robust authentication ensure safe and seamless file storage and sharing for all users.