ReSollect: Code Structure & Tech Stack

Submitted by: Rahul Kurup

1. Project Overview

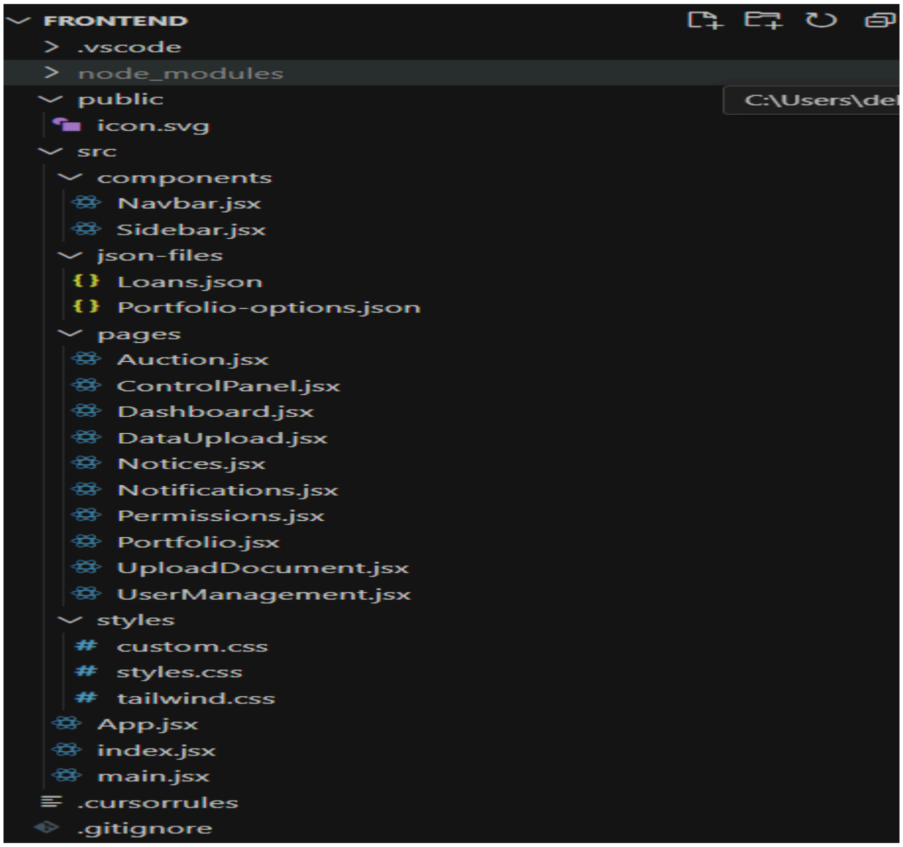
This project is a web-based document management system where users can upload, view, and manage documents. It is built using **React.js** for the frontend with **Tailwind CSS** for styling and a modular structure for better maintainability.

---

2. Code Structure

Project Directory Layout

The folder structure follows a well-organized component-based approach:



```
∨ FRONTEND
  > .vscode
  > node_modules
  ∨ public                                  C:\Users\del
      icon.svg
  ∨ src
    ∨ components
        Navbar.jsx
        Sidebar.jsx
    ∨ json-files
      {} Loans.json
      {} Portfolio-options.json
    ∨ pages
        Auction.jsx
        ControlPanel.jsx
        Dashboard.jsx
        DataUpload.jsx
        Notices.jsx
        Notifications.jsx
        Permissions.jsx
        Portfolio.jsx
        UploadDocument.jsx
        UserManagement.jsx
    ∨ styles
      # custom.css
      # styles.css
      # tailwind.css
      App.jsx
      index.jsx
      main.jsx
  ≡ .cursorrules
    .gitignore
```

3. Components Used

The project uses React functional components and hooks to manage state. Below are key components:

(A) Navbar.jsx

- Renders the top navigation bar.
- Includes a user profile section.

(B) Sidebar.jsx

- Implements the left-side navigation with different sections like Portfolio, Data Upload, etc.
- Uses icons and `useState` for toggling active states.

(C) UploadDocument.jsx

- Implements the document upload modal form.
- Uses `useState` for handling form fields and file selection.
- Handles click events to close the modal only when clicking outside the inner form.

Key Features in UploadDocument.jsx

- **State Handling:**
    - `useState` is used to manage form inputs and file selection.
- **Modal Behavior:**
    - Clicking outside the modal closes it.
    - Clicking inside prevents closure using `stopPropagation()`.
- **Tailwind Styling:**

    - Uses `bg-gray-800 bg-opacity-50 backdrop-blur-sm` for a translucent background effect.

---

4. Tech Stack & Libraries

The project is built using the following technologies:

Frontend

- **React.js** (Component-based UI)
- **Tailwind CSS** (Styling)
- **React Hooks** (`useState` for managing state)
- **JavaScript (ES6+)** (Modern syntax)

Other Tools

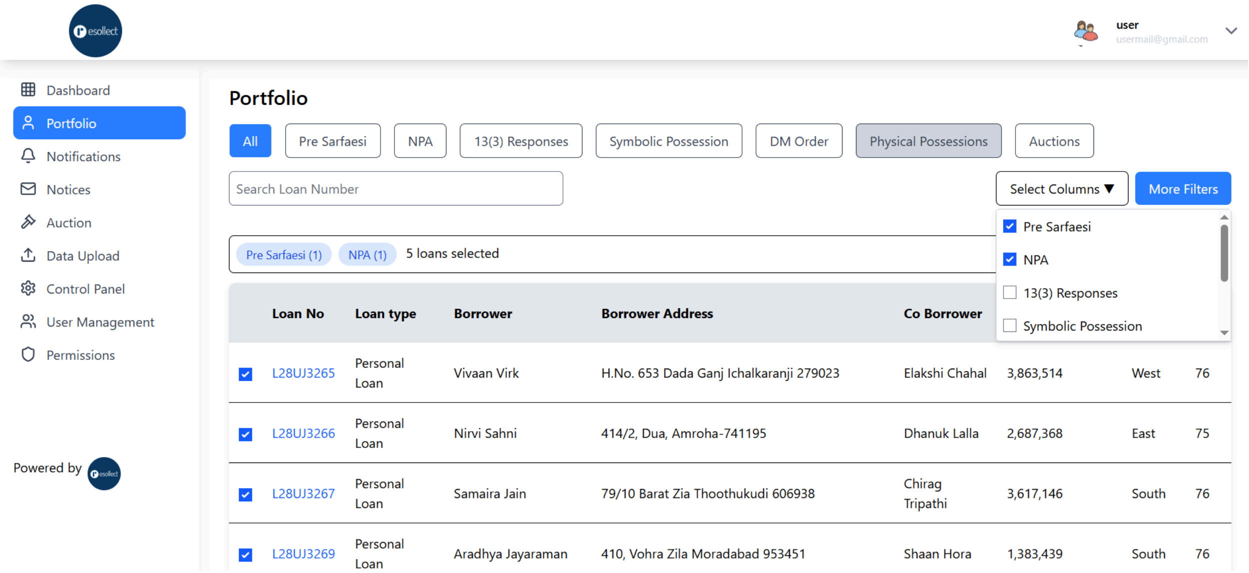
- **Vercel Deployment** (For hosting the frontend)
- **Git for Version Control**

---

5. Final UI Output

The UI is structured as follows:

- **Sidebar Navigation:** Lists various sections.
- **Portfolio Page:** Displays loan details in a tabular format.
- **Upload Document Modal:** Allows users to select, name, and upload documents.



user
usermail@gmail.com

- Dashboard
- Portfolio
- Notifications
- Notices
- Auction
- Data Upload
- Control Panel
- User Management
- Permissions

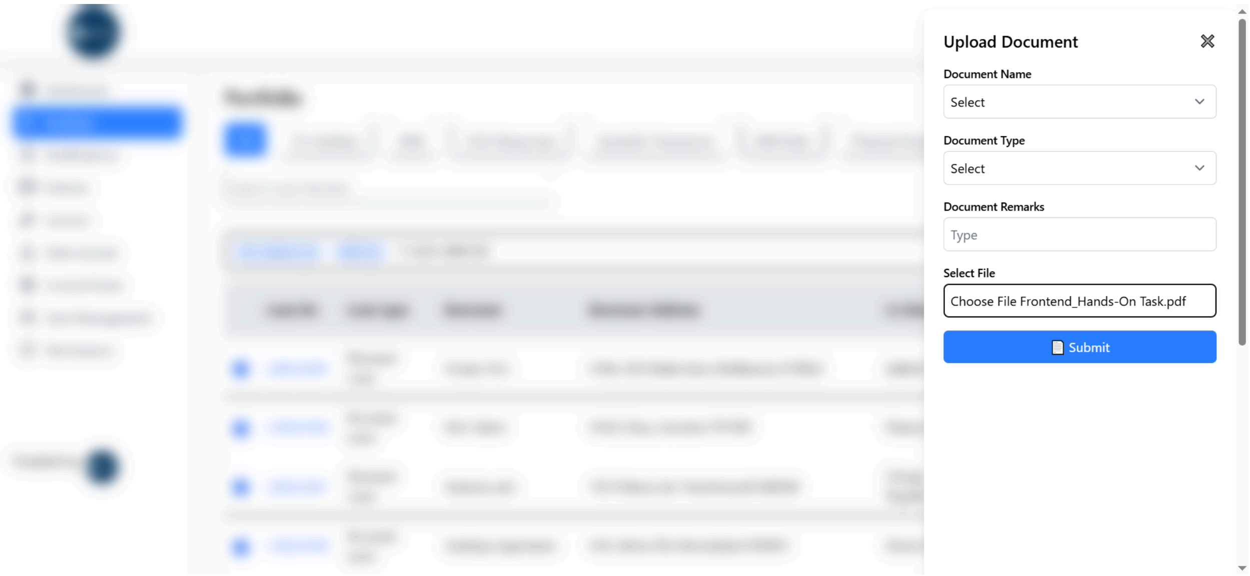
Powered by

Portfolio

☑ Pre Sarfaesi
☑ NPA
□ 13(3) Responses
□ Symbolic Possession

Pre Sarfaesi (1) NPA (1) 5 loans selected

	Loan No	Loan type	Borrower	Borrower Address	Co Borrower			
☑	L28UJ3265	Personal Loan	Vivaan Virk	H.No. 653 Dada Ganj Ichalkaranji 279023	Elakshi Chahal	3,863,514	West	76
☑	L28UJ3266	Personal Loan	Nirvi Sahni	414/2, Dua, Amroha-741195	Dhanuk Lalla	2,687,368	East	75
☑	L28UJ3267	Personal Loan	Samaira Jain	79/10 Barat Zia Thoothukudi 606938	Chirag Tripathi	3,617,146	South	76
☑	L28UJ3269	Personal Loan	Aradhya Jayaraman	410, Vohra Zila Moradabad 953451	Shaan Hora	1,383,439	South	76



Upload Document

Document Name: Select

Document Type: Select

Document Remarks: Type

Select File: Choose File Frontend_Hands-On Task.pdf

6. Conclusion

This project follows a structured React-based architecture with reusable components, state management, and modern UI practices. The use of Tailwind CSS ensures a responsive and visually appealing design. Future enhancements could include API integration for document storage and authentication.