

File System Project

1. About the project

"File-System" is a complete project built on a Spring Boot server with PostgreSQL as a backend database. Using React for its front-end interface, the project empowers users to manage files, including file uploads, and downloads, moving files between directories, and deleting and renaming functions. With an intuitive interface that makes it easy to navigate through the file system, the project offers a user-friendly solution for efficient file-handling tasks.

2. Necessary tools

You would need the following tools installed before running the project locally:

Backend:

- Java 17
- Maven
- IntelliJ IDEA (or any preferred IDE)
- Docker

Frontend:

Before you start, ensure that you have the following installed on your machine:

- Node.js: <https://nodejs.org>

3. How to start

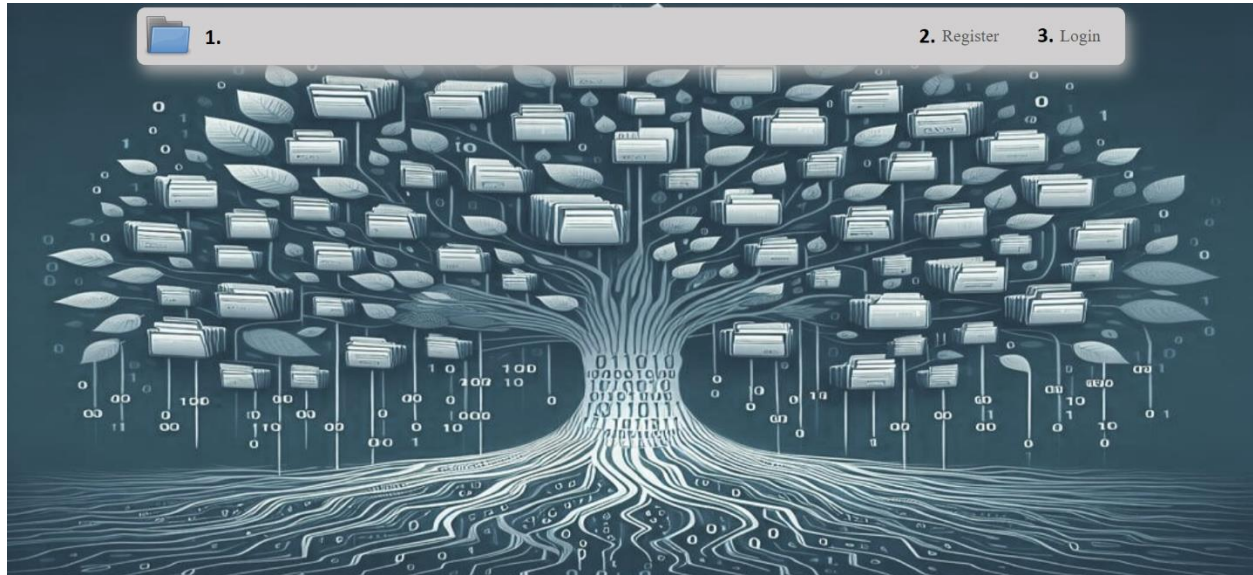
Backend:

- **Start DB**
Run: docker-compose up
- **Start the app**
Run: mvn clean install

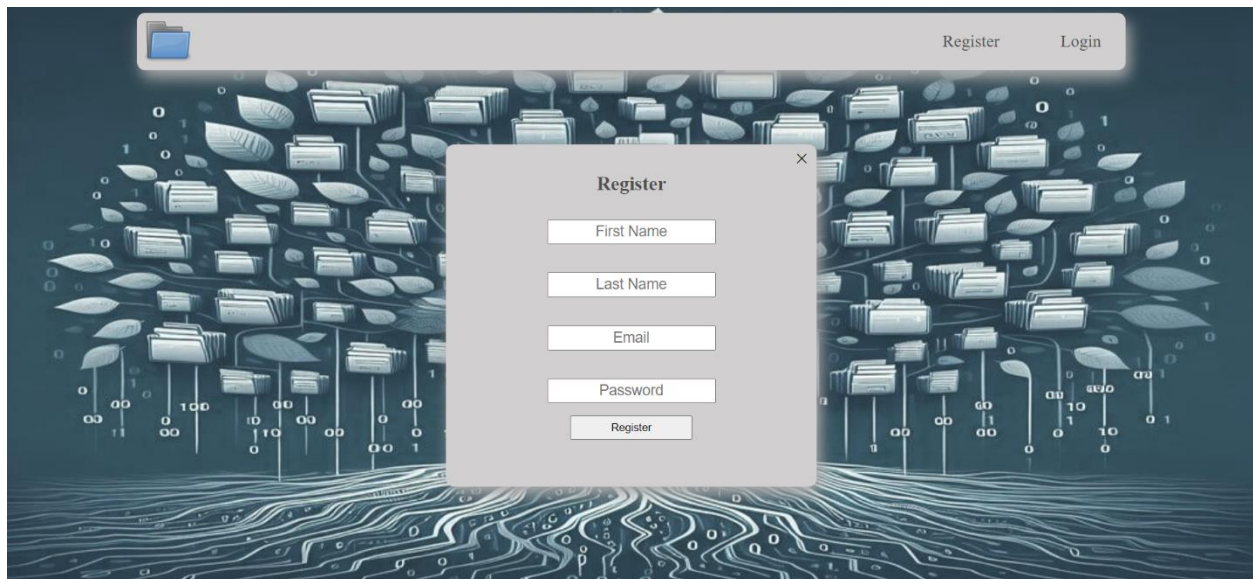
Frontend:

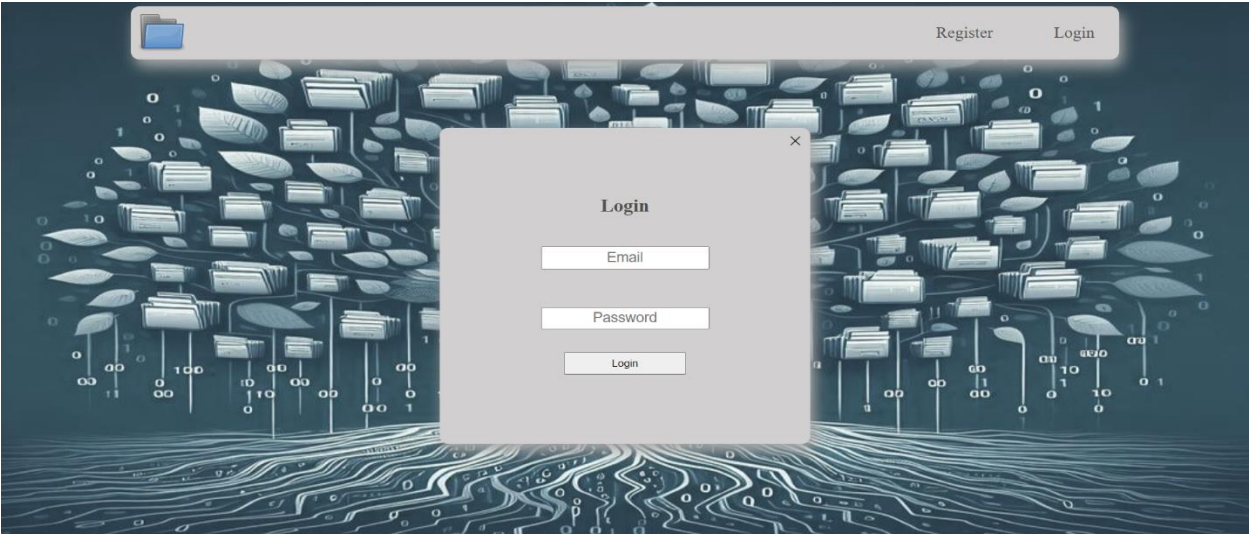
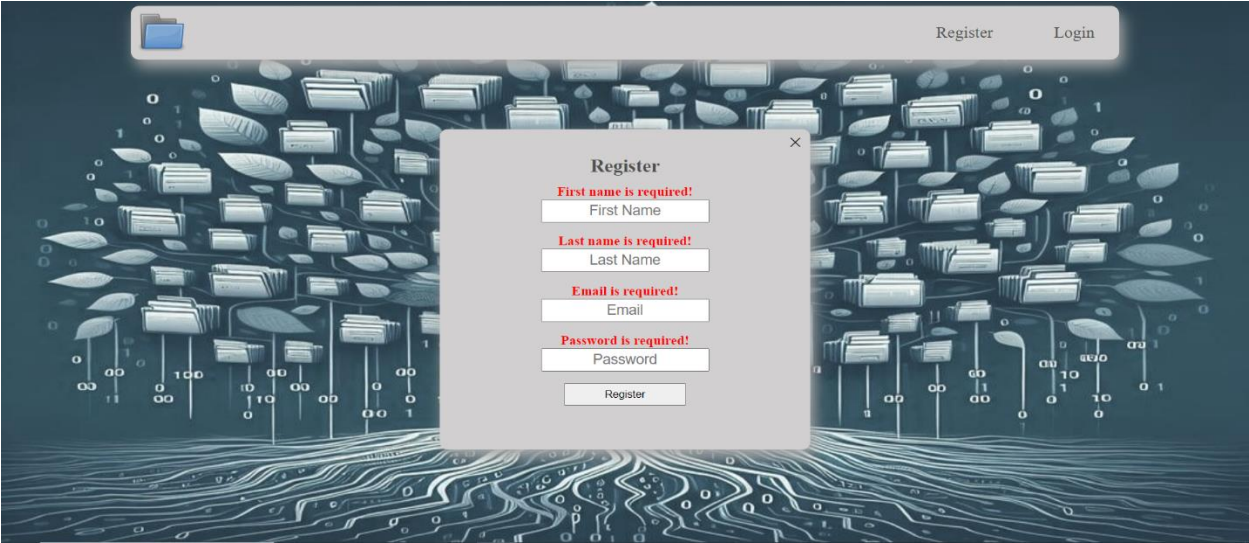
- **Change the direction to the front-end project folder**
- **Start the app**
Run: npm start
- **Open your browser and visit <http://localhost:3000>**

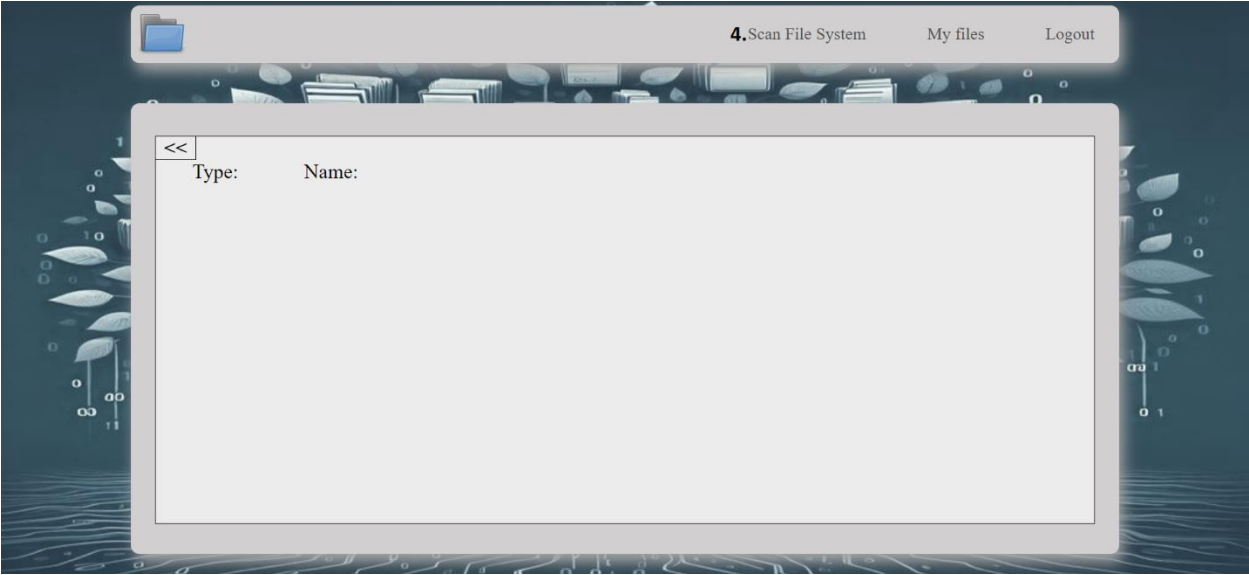
4. How the project work



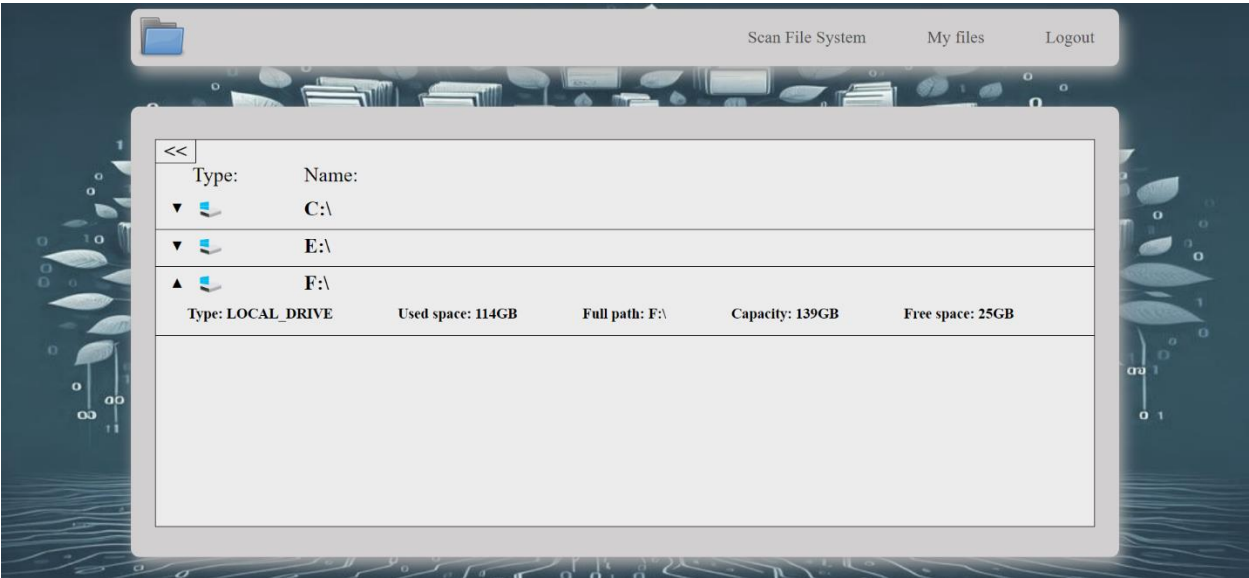
1. Refresh page
2. Register button
3. Login button

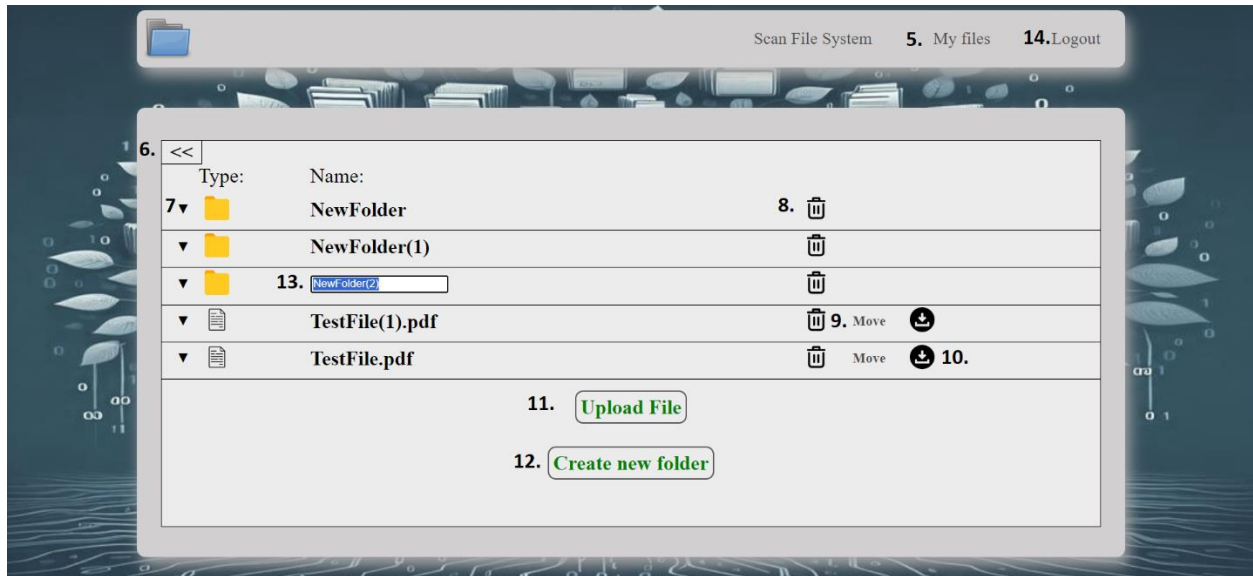






4. Scan File System (the actual file system...)





5. Client's files
6. Navigate back to the parent folder
7. Toggle file information
8. Delete file/folder
9. Move file to another folder
10. Download file (txt, jpeg, pdf, png, gif)
11. Upload file (txt, jpeg, pdf, png, gif)
12. Create new folder
13. Right click to toggle rename
14. Logout

5. Api documentation

- <http://localhost:8080/swagger-ui/index.html>