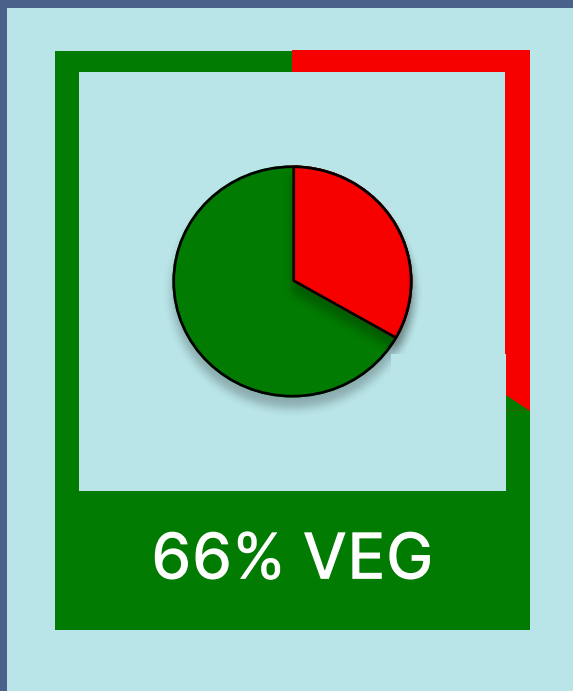Empowering Fast, Secure, and Intuitive File Transfers

FileHub

66% VEG

Team ID: 837

PS : Intel Relay

Basic

1. Transfer files between laptops using a TCP or UDP connection.

2. Drag-and-drop functionality for easy file selection.

3. Support for multiple file formats and sizes.

4. Display progress indicators during file transfers.

5. Allow users to select specific files or folders for sharing.

6. Provide a simple and intuitive user interface.

Advanced

1. Connect multiple laptops to the same network to broadcast files to all clients.

2. Set sharing permissions (read-only or editable) for files.

3. End-to-end encryption for secure file sharing.

4. Implement user authentication and secure login.

5. Real-time notifications for successful or failed transfers.

6. Support for sharing large files (>500MB).
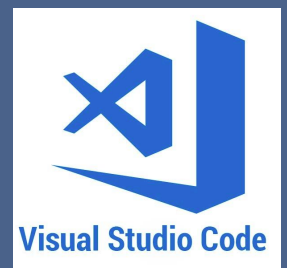
Tech Stack

1. Frontend -: Java Swing
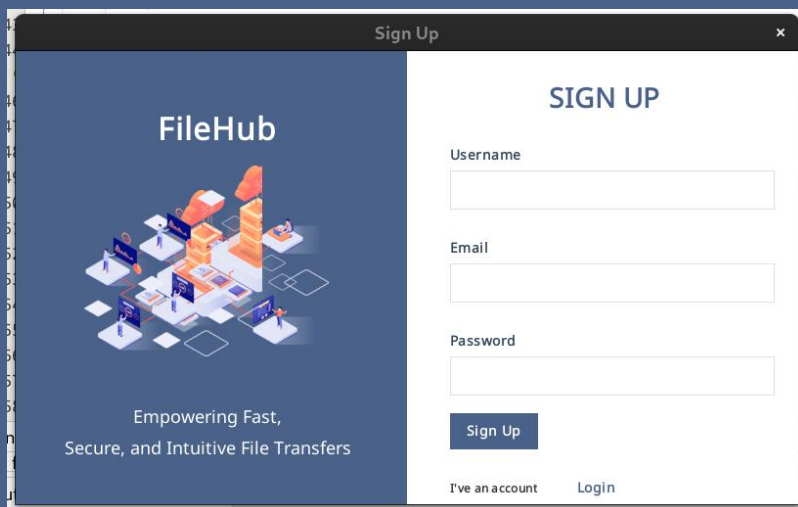
2. Backend -: GO

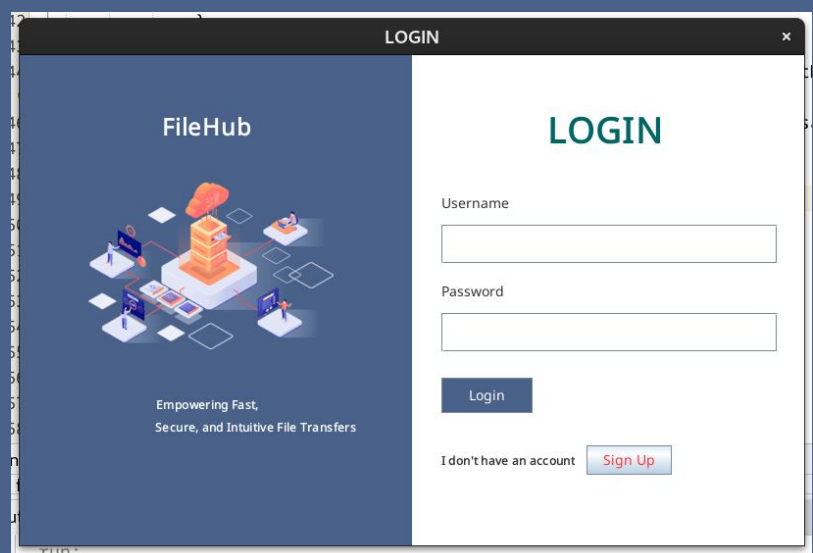3. Tools Used -: VS Code, IntelliJ Idea,

4. Database: SQL

Progress

1. Designed and completed a user-friendly Sign-Up and Login interface.

2. Integrated user credential management with an SQL database for secure data storage.

3. tested go daemon process code for transferring file using a server as middleman

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