Secure file access :
secure file access system the secure file access application helps users to share files while safeguarding them from data breaches this is an android based project with mysql as database used in backend so here we have the source code opened in android studio and we will now build and run the project the system comprises of two entities admin and user first let's explore the admin module admin must first in with their valid credentials once signed in the admin will be shown the directory list in the dashboard once

clicking upon a directory the admin can view all the files within that directory the user can also add new files by clicking the icon in the bottom right corner this system supports images audios videos text documents and even apk files the admin can even view reports about the data by clicking on users options the admin can view a list of all the users along with their details admin can even add new users into the system along with relevant details this system also maintains an accurate log of which users have viewed the files

the admin can access this record by clicking on the file and selecting view logs to grant access to a user the admin can click on view details and then choose the user now let's take a look at the user side of the application the user needs to sign in with their valid credentials upon signing in the user will be shown the directory list the user can click on directory to view the files stored within that particular directory users can even view details about the files and download them if they have been granted access by the

admin user can also edit their profile and change password to maintain security of their account you

role of each member:

1. Project Manager

- **Role**: Oversees the project.
- **Responsibilities**:
    - Plan and organize the project.
    - Ensure the team meets deadlines.
    - Communicate with team members and the teacher.

2. Android Developer

- **Role**: Codes the app.
- **Responsibilities**:
    - Write the main code for the app.
    - Implement features like user login and secure storage.
    - Ensure the app runs smoothly.

3. Security Specialist

- **Role**: Focuses on security.
- **Responsibilities**:

    - Ensure data is encrypted.
    - Implement secure access controls.
    - Test the app for security vulnerabilities.

4. UI/UX Designer

- **Role**: Designs the user interface.
- **Responsibilities**:
    - Create the app's visual layout.
    - Make sure the app is easy to use.
    - Collect user feedback and improve the design.

5. Quality Assurance (QA) Tester

- **Role**: Tests the app.
- **Responsibilities**:
    - Test the app to find and fix bugs.
    - Ensure all features work as expected.
    - Verify that the app is secure and user-friendly.

How These Roles Work Together:

1. **Planning**:
    - The **Project Manager** creates a plan and timeline for the project.
    - The **UI/UX Designer** starts designing the app layout.
2. **Development**:
    - The **Android Developer** writes the code for the app.
    - The **Security Specialist** adds security features and ensures data protection. (cryptography)
    - The **UI/UX Designer** finalizes the app's design.
3. **Testing**:
    - The **QA Tester** checks the app for bugs and security issues.
    - The **Security Specialist** conducts security tests.
4. **Review and Finalization**:
    - The **Project Manager** ensures everything is completed on time.
    - The team makes final adjustments based on feedback.