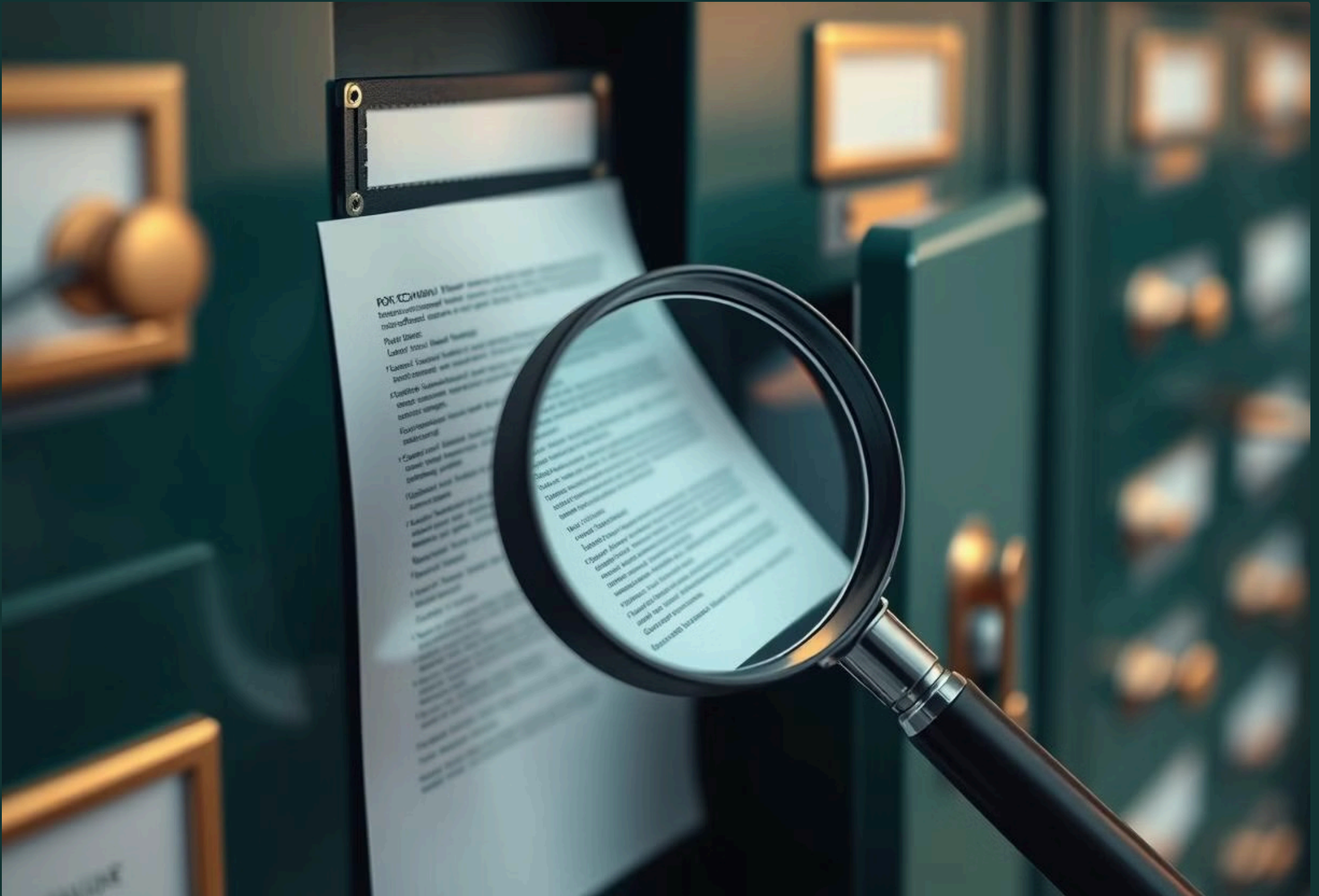# File Haider – File Management System

This presentation details the File Haider project, a file management system crafted with Java and MySQL. Join us as we explore its features and architecture.

Project Scope & Objective

- System to securely store, manage, and organize files.

- **Objectives:**

- CRUD operations for files

- Secure user authentication

- Search and report functionalities
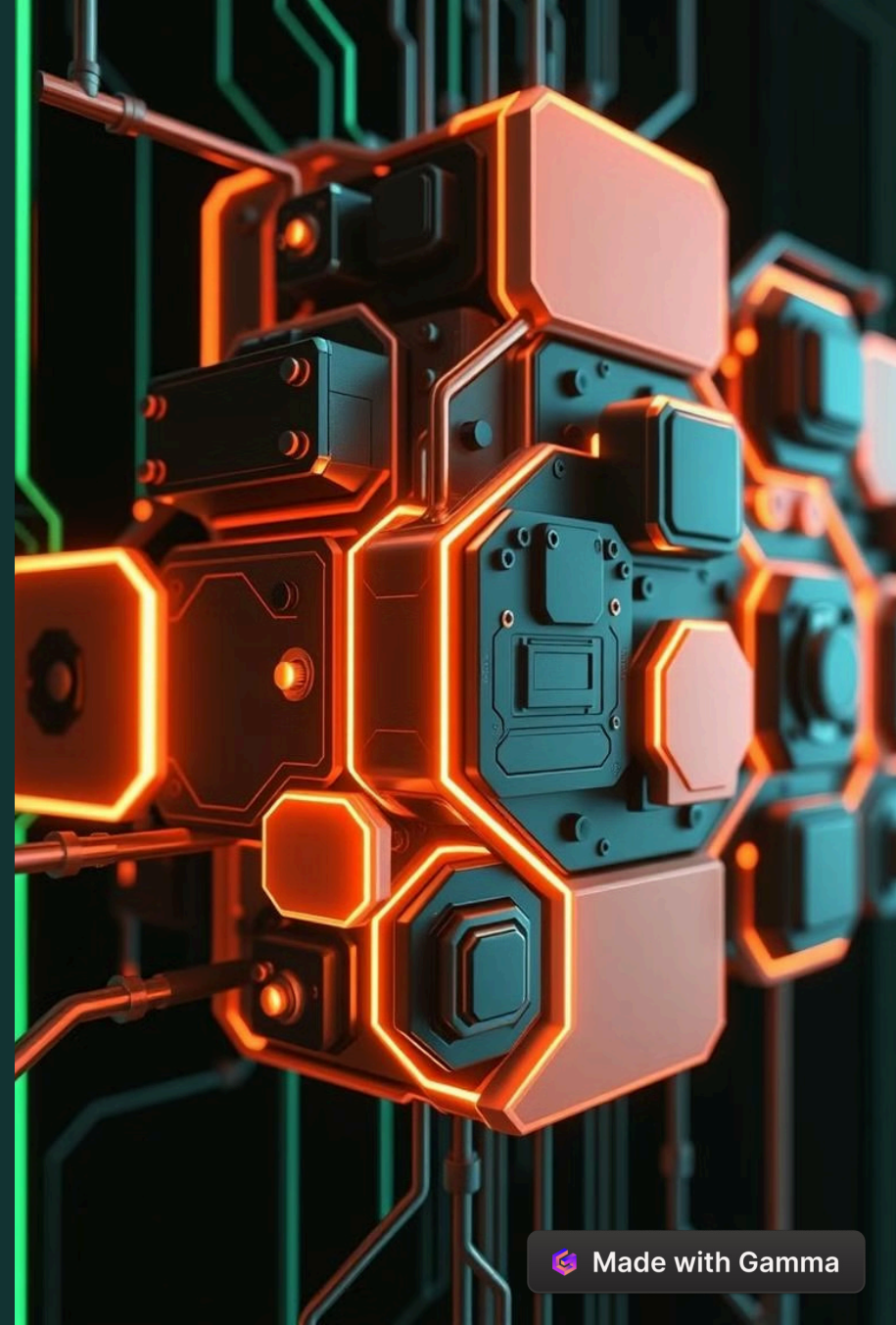
- User-friendly console UI

Technology Stack

- **Frontend/UI:** Console-based Java

- **Backend:** Java (JDBC)

- **Database:** MySQL

- **Architecture:** MVC

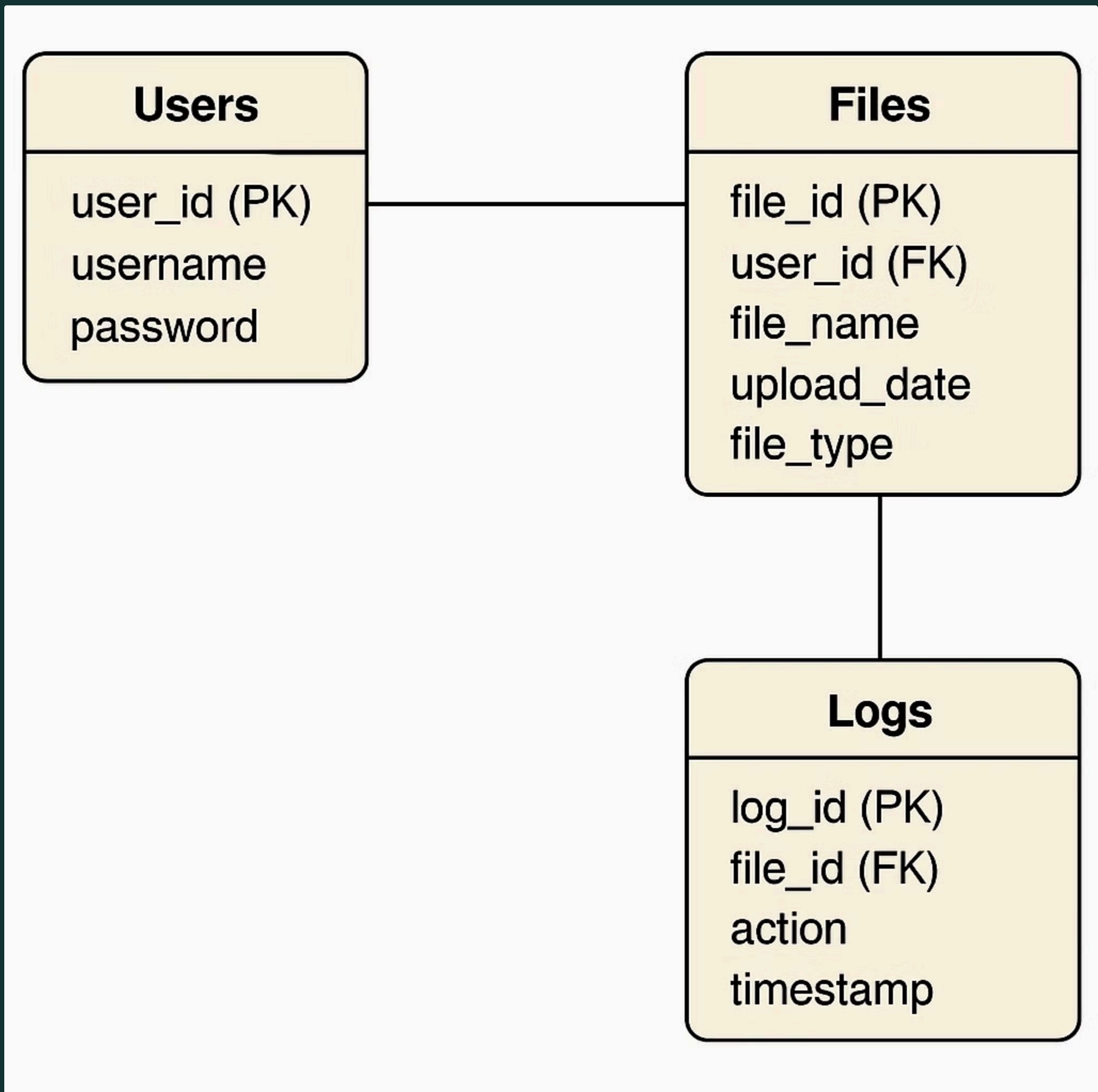- **Tools:** Eclipse/IntelliJ, MySQL Workbench

Features & Modules

- User Authentication (Register, Login, Logout)

- File Operations (Upload, Update, Delete)

- Search Module (by name, type, date)

- Reports Module (uploaded/deleted files)

ER Diagram

- **Users:** user_id (PK), username, password
- **Files:** file_id (PK), user_id (FK), file_name
- upload_date, file_type
- **Logs:** log_id (PK), file_id (FK), action
- timestamp

Project Architecture

- **Pattern:** MVC + DAO

- **Model:** POJOs

- **DAO:** DB operations (JDBC)

- **Service Layer:** Business logic

- **UI Layer:** Console (Scanner)

- **Database:** MySQL

Future Enhancements

GUI using JavaFX or Swing File encryption Role-based access File versioning Migrate to Spring Boot web app

Conclusion & Execution

Summary: Java-based file management system with JDBC and MySQL.

Demo: Screenshot/Live Project Run

thank you

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