Project Idea: University Management System
Proposal Outline

- **Group Members: Alamin Adeleke, Chukwunonso Daniel Ekweaga, Emmanuel Adeyemi-Kings, Marvellous Akinola, Abdulwadud Usman-Inenemo**
- **Application**: A JDBC-based system for administrators to manage university data.
- **GitHub Repository**: danekweaga/Database-Project · GitHub
  - The repository is empty for now since we have not coded anything yet.

Project Overview

Our project focuses on developing a university library database system to efficiently manage books, users (students and faculty), borrowing transactions, and fines. The goal is to streamline book tracking, user account management, and borrowing processes while maintaining records and calculating overdue fines.

Objectives

- Develop a structured database to store and manage library resources.
- Implement borrowing and returning functionalities.
- Maintain records of students and faculty who borrow books.
- Track overdue books and calculate fines.
- Provide an efficient search system for books and users.

Features and Functionality

1. **Book Management**: Add, update, remove books, and track availability.
2. **User Management**: Register students and faculty, maintain borrower records.
3. **Borrow & Return System**: Facilitate book borrowing/returns and update availability.
4. **Fines Calculation**: Identify overdue books and compute fines.
5. **Search & Reporting**: Search books by title, author, or category; generate borrowing reports.