Project Vision/Plan:

EECS 447: Database Systems
Aiden Patel, Adam Richards, John Newman, Peter Pham, Srihari Meyoor
Semester: Spring 2025

Project Vision:

Our goal for this project is to develop a library management system to inventory and track loanable items. In managing a library, keeping track of the various rentable books, movies, and games can be difficult. Not only is it challenging to keep track of tens of thousands of items, but the library must also maintain a unique account for each person. By having a centralized database that is easily modifiable, memberships and borrowing statuses can be easily updated. Borrowing rules can also be enforced by tying specific attributes to users or items such as age or genre. Databases are efficient, manageable, and can present data in an easy-to-understand manner. As such, databases are the perfect solution for managing our library's infrastructure.

Scope Statement:

The database will include:
Entities: Books, DVDs, Magazines, Games, Customers, Librarians
Member Attributes: Borrowed books, due fees, etc
Borrowing/returning system: Borrowing limits, fees, holds
Different staff and client interfaces

Team Organization and Profiles:

Team name: SQL Sugars

John Newman: Team Administrator

me
John Newman
Email: johnnewman@ku.edu
Available: 1:00-6:00 MWF 4:00-6:00 TR
PC Application development
Python, c++, haskell, roq

Srihari: Scribe

me
Srihari Meyoor
Email: smmeyoor@ku.edu
Available: 11:00-6:00 MWF 4:00-6:00 TR
Web Dev, ML/AI, Devops/MLops
Python, Java, c++

Adam: Scribe

Photo
Adam Richards
atombomb782@ku.edu
Mon-Thurs: After 9:15 Fri-Sun: Anytime
Mobile, Desktop, MacOs
Python, Java, Swift, C/C++

Peter: Squire

Peter Pham
Email: p114p932@ku.edu or contact@peterpham.me

Available: Weekends / ping me and I will respond
Desktop, Server
Python

Aiden: Squire

Aiden Patel
Phone: (918) 807-2043 Email: aiden.patel21@ku.edu
Available: 8:00-12:00 M 10:45-1:00 TR
Desktop
Python, C/C++