Vision Statement:

The purpose and goal of the library database is to create an organized way for the fictional library to easily keep track of its inventory of borrowable content. In addition, it should make generating reports based on library data easier, to allow for quick and simple data analysis by library workers and a better understanding of trends occurring. The end vision is a system that enhances both library workers' and clients' experiences within the library.

Project Scope:

This project will start as a command-line application that organizes library materials and tracks borrowing activity. The system will store book details, manage user accounts, enforce borrowing limits, and calculate overdue fees. It will also provide tools for library staff to check items in and out, update records, and generate reports on borrowing trends and overdue items. While the initial focus is on the command line, the project could possibly expand into a graphical user interface (GUI) stage to improve usability and will be designed to make such implementation easier. Overall, our main priority is to build a simple and functional system that meets the basic needs of the library.

Team Organization and Profiles

Blake Carlson -

Role: Physical Database Design Lead

Contact Info: blake.carlson@ku.edu | 815-277-7415

Availability: MWF: 4 pm onwards | TuTh: 5:30 pm onwards

Computing Platform Experience: Windows, Linux, AWS

Programming Language Knowledge: Python, C, C++, Haskell, Java, HTML, CSS

Nifemi Lawal -

Role: Project Demonstration Lead

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Availability: MWF: 3:30 pm onwards, TuTh: 4:30 pm onwards

Computing Platform Experience: Windows, Linux, Flask

Programming Language Knowledge: Python, C, C++, HTML/CSS, JavaScript

Logan Smith -

Role: Team Administrator & Relational Modeling Lead

Contact Info: l500s632@ku.edu or 331-213-6811

Availability: Any day of the week after 4pm

Computing Platform Experience: Windows, Linux, Flask

Programming Language Knowledge: Python, C, C++, JavaScript

Michael Stang -

Role: Conceptual Modeling Lead

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Availability: And day except Wednesday after 4pm

Computing Platform Experience: Windows, MacOS, Linux

Programming Language Knowledge: C, C++, Haskell, Swift, Python, and HTML

Holden Vail –

Role: Domain Modeling and Requirements Lead

Contact Info: h190v184@ku.edu

Availability: Monday – Friday 4pm-7pm

Computing Platform Experience: ElectronJS, Flutter, AWS, Google Cloud Platform

Programming Language Knowledge: C, Python, JavaScript, Dart, R, SQL