Project Part 1: Project Vision/Plan

Vision Statement: Our team is going to develop a Library Database System to streamline inventory management, improve tracking of library resources, and meet the needs of students and staff. The Database will keep track of books, published articles, and technical equipment. By implementing a scalable and efficient database solution, we aim to provide a seamless and organized library experience. This project will also allow team members to deepen their understanding of scalable database mechanics.

Scope Statement:
The Library Database System will include the following functionalities:

- **Inventory Management:** track books, published articles, and technology equipment.
- **Item Tracking System:** Maintain records of checked-out items and due dates.
- **Technology Checkouts:** Include laptops, chargers, and other equipment.
- **Overdue Fees Management:** Implement fine calculations and notifications for overdue items.

IMPORTANT NOTE: Ideas could be refined or flushed out, as the project progresses and the requirements engineering is done.

Team Organization and Profiles:

Team Name: Database Chiefs
Team Structure: Agile-oriented development

Team Administrator & Research: Tej Gumaste (Primary Contact)
Contact: tej.gumaste@ku.edu
Availability: Tuesday, Thursday
Computing Platform Experience: Windows, Linux, MacOS
Programming Experience: Python, Javascript, Java, SQL, C/C++

Quality Assurance: Andrew Reyes
Contact: andrewreyes@ku.edu
Availability: Sunday, Tuesday, and Thursday
Computing Platform Experience: Windows, Linux, MacOS
Programming Experience: Python, JavaScript, MariaDB/SQL, C/C++

User Interface: James Hanselman
Contact: jameshanselmaniv@ku.edu
Availability: Monday-Thursday, Sunday
Computing Platform Experience: windows, linux, macos
Programming Experience: c/c++, .NET, typescript, javascript, sql, nosql, python, html/css, react

Documentation & User Interface: Jay Patel
Contact: jay@ku.edu
Availability: Monday, Wednesday, Thursday, Friday.
Computing Platform Experience: Linux, Windows
Programming Experience: Python, javascript, C, SQL

Design & Development: Shayaan Mohammed
Contact: shayaanm@ku.edu
Availability:MWF
Computing Platform Experience: Windows, Linux, MacOS
Programming Experience: Python, C/C++, SQL, JavaScript

Design & Development: Kaleb Howard
Contact: kalebhoward@ku.edu
Availability: Monday, Wednesday, Friday, limited availability on Tuesdays/Thursdays
Computing Platform Experience: Windows, Linux
Programming Experience: Python, JavaScript, C/C++, limited SQL

Project Meeting Log: 1

Date: February 6, 2024
Time: 11:30 PM - 12:30 PM
Location: LEEP2 1320 / In-Person
Objective: Establish project structure, assign roles, define requirements, plan meetings, and set up a GitHub repository.
Team Members present: Shayaan, Tej, Jay, Andrew, Kaleb, James

Tasks Allocated:
Tej: to setup github, prepare for the next meeting (agenda, location), and help Jay with Project part 1 document if needed.
Jay: To complete the meeting log and project part 1 documentation by due date.
Rest of the team: assigned a more general task to research about tools that they will be using in further project parts, for example learning basic SQL and DB management.

Brainstorming:

- Read and discussed the project vision and requirements.
- Identified core entities for the database: books, published articles, tech checkouts.
- Defined the vision and scope statement.
- Assigned roles based on team members' skills and interests.
- Decided on GitHub as the primary repository for documentation and source code.

Task Completion Confirmation: NA

Follow-up Actions: We decided that the next meeting will be scheduled in the following week at the same time and location. Since other team members are doing their respective research, Jay and Tej will be completing the document and submitting it once completed and reviewed by team members.