**Library Management System VCS Documentation**

Effective Date: 31 July 2024

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**Summary**

This documentation outlines all version control system (VCS) factors for the Library Management System project. It details the repository, its branches, contributors, files, and audit history. This ensures proper tracking and management of all code changes and project development stages.

**List of Repositories**

Library\_Management\_System

**Repository Documentation**

**Repository Title**: Library\_Management\_System

**Repository Description**:

The Library\_Management\_System repository is used for managing the development and maintenance of a library management system. This system includes features for adding books, registering members, borrowing and returning books, and listing available and borrowed books. It serves as a fundamental project for students to learn and implement basic version control, project management, and Python programming concepts.

**Repository Contributors**:

1. **Jie Chen**
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2. **Krish Thhaker**
   * **Username**: KrishThhaker
   * **Email**: [Krish.Thhaker@lumifygroup.com](mailto:Krish.Thhaker@lumifygroup.com)

**Repository Branches**:

1. **main**
   * **Description**: The main branch contains the production-ready code.
   * **Contributors**: Jie Chen, Krish Thhaker
2. **Dev**
   * **Description**: The development branch is used for integrating new features and testing.
   * **Contributors**: Jie Chen, Krish Thhaker
3. **fix/error-line35**
   * **Description**: This branch is dedicated to fixing the syntax error on line 35 of main.py.
   * **Contributors**: Jie Chen, Krish Thhaker (Note: This branch has been deleted after the fix was merged into the main branch)

**Repository Files**:

1. **main**
   * ReadMe.md (Markdown file)
   * LibraryDataFile.xlsx (Excel file)
   * book.py (Python file)
   * library.py (Python file)
   * main.py (Python file)
   * member.py (Python file)
   * Repository Documentation - Library\_Management\_System.docx (Word file)
2. **Dev**
   * Same files as the main branch, with potential development changes
3. **fix/error-line35**
   * Same files as the main branch, with the specific fix applied to main.py (Note: This branch has been deleted after the fix was merged into the main branch)

**Repository Audit**:

1. **Initial Commit**
   * **Date**: 18 July 2024
   * **Description**: Initial commit with project files.
   * **Files**: ReadMe.md, LibraryDataFile.xlsx, book.py, library.py, main.py, member.py
   * **Contributor**: Jie Chen
2. **Branch Creation: Dev**
   * **Date**: 18 July 2024
   * **Description**: Created development branch
   * **Contributor**: Jie Chen
3. **Branch Creation: fix/error-line35**
   * **Date**: 21 July 2024
   * **Description**: Created branch to fix syntax error on line 35 of main.py
   * **Contributor**: Jie Chen
4. **Fix Applied**
   * **Date**: 29 July 2024
   * **Description**: Fixed syntax error on line 35 of main.py
   * **Contributor**: Jie Chen
5. **Merge fix/error-line35 into main**
   * **Date**: 31 July 2024
   * **Description**: Merged fix/error-line35 branch into main branch
   * **Contributor**: Jie Chen
6. **Branch Deletion: fix/error-line35**
   * **Date**: 31 July 2024
   * **Description**: Deleted branch fix/error-line35 after merging into main
   * **Contributor**: Jie Chen
7. **Added Documentation File**
   * **Date:** 31 July 2024
   * **Description:** Added the file Repository Documentation - Library\_Management\_System.docx to the repository
   * **Contributor:** Jie Chen