

Library Management System

Review 1 Submission
Project Name: JavaCons



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Overview

- This is a GUI-based Library Management System built using JavaFX and SQLite.
- It supports user login/registration and book CRUD operations.
- The UI is designed with a dark theme and a modular structure.



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Key Features

- - User Authentication (Login/Register)
- - JavaFX UI with FXML and CSS
- - Book Management
(Add/View/Update/Delete)
- - SQLite Database Integration
- - Modular Code with MVC Architecture
- - Dark Theme Styling



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Project Structure

- • controller — Handles UI logic
- • model — Data models and database access
- • view — FXML layouts for UI
- • database — DB connection utility
- • css — Dark theme stylesheet
- • Main.java — Application launcher



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Technologies Used

- - Java
- - JavaFX
- - SQLite
- - SceneBuilder (FXML)
- - CSS (Dark Theme)
- - Git & GitHub



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Sample UI (Design)

- Login, Register, and Dashboard UIs with modern styling and functionality.



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Future Enhancements

- - Book Issue/Return System
- - Role-based Access (Admin/User)
- - Report Generation
- - Improved UI Transitions & Alerts



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GitHub Repository & Final Steps

- GitHub Link: <https://github.com/java-cons/library-management-system>
- Project Zip + PPT uploaded as part of Review 1.
- README.md contains all setup and usage instructions.
- Ready for submission.



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