Project Presentation

On
Library Management System

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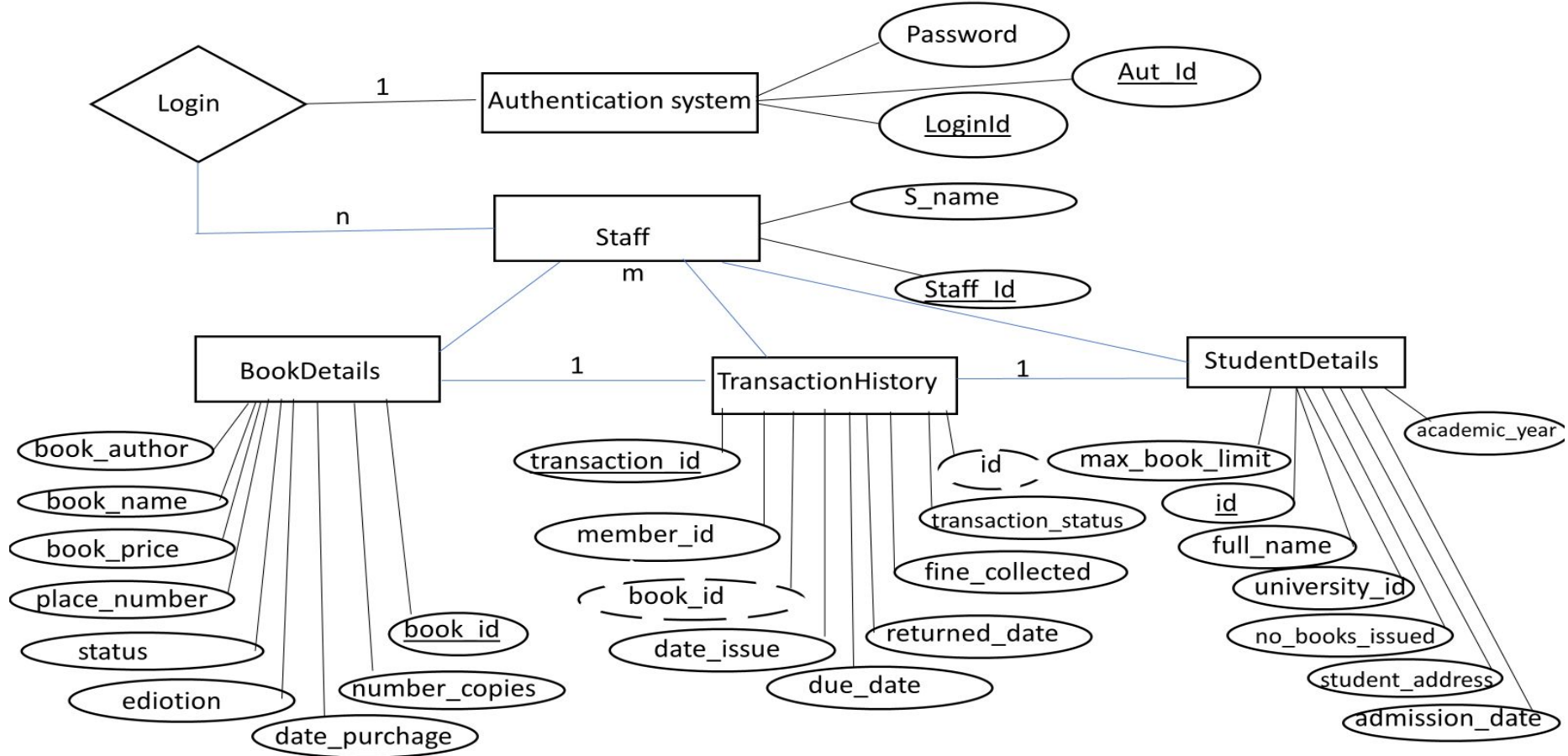
Literature Survey

Survey:-

Several Library Management System ideas have arisen so far to bring changes into the design of Application with innovative ideas for enhance overall library effectiveness and service quality.

2012	2015	2018	2020
Enhanced Features in Contemporary Library Management Systems. Case Studies Highlighting Successful Implementation of Library Management Systems.	**Flexibility study of technology to optimize library operation.** Comparative Analysis of Different Library Management System Architectures	**Future Directions and Potential Developments in Library Management Technology.** Case Studies Demonstrating Efficiency Gains with Java Servlet-Based Library Management Systems.	**Sustainability and Green Initiatives in Library Operations.** Recommendations for Implementing and Enhancing Library Management Systems

Project Abstract

❖ Developed in HTML & CSS & Angular Framwork & Advance Java, the "Library Management System" project aims to optimize library operations.

❖ Core functionalities include adding new books, registering new members, and managing member transactions.Members can efficiently search for books and borrow them, with adherence to specific due dates.

❖ The system enables seamless book returns either on or before the due date, enhancing user experience.Featuring a user-friendly interface and robust backend functionality, the system aims to streamline library resource management.

❖ Leveraging HTML & CSS & Angular Framwork & Advance Java technology, the project aims to enhance overall library effectiveness and service quality.

ER Diagram

Tools and Languages used

❖ Operating System: 11Windows 7/8/10/

❖ Application: HTML & CSS & Angular Framwork & Advance Java

❖ Database: MYSQL SERVER & Hibernate

❖ Software: Eclipse/Spring Tool MySQL Workbench

❖ Minimum hardware Requirement

❖ 386,486 processors with supportable motherboard.

❖ 64 MB RAM.

Expected Output

❖ Developed in HTML, CSS, Angular Framework, and Advance Java.Aims to optimize library operations.

❖ Core functionalities include:
➢ Adding new books.
➢ Registering new members.
➢ Managing member transactions.

❖ Users can efficiently:
➢ Search for books.
➢ Borrow books with adherence to specific due dates.

Future Scope

FUTURE PLANNING

1. Create mobile apps for Android and iOS using Angular.

2. Provide instant notifications on book availability and due dates.

3. Implement robust security features with Java technologies.

4. Optimize system performance for scalability.

5. Analyze usage patterns and member preferences with Java.

Conclusion

❖ The "Library Management System" project is developed using HTML, CSS, Angular Framework, and Advanced Java technologies.It is designed to optimize various library operations.

❖ Core functionalities include adding new books, registering new members, and managing member transactions efficiently.

❖ Members can utilize the system to search for books easily and borrow them with adherence to specific due dates.

❖ The system ensures a seamless process for book returns, whether before or on the due date, enhancing user experience.

THANK YOU !