

PROJECT TITLE NO: 1 :

→ LIBRARY MANAGEMENT SYSTEM

ACKNOWLEDGEMENT:

I would like to express my sincere gratitude to Bikash Shrestha sir for his guidance and support throughout this project. I also thank my classmates and my supervisor for their encouragement and support.

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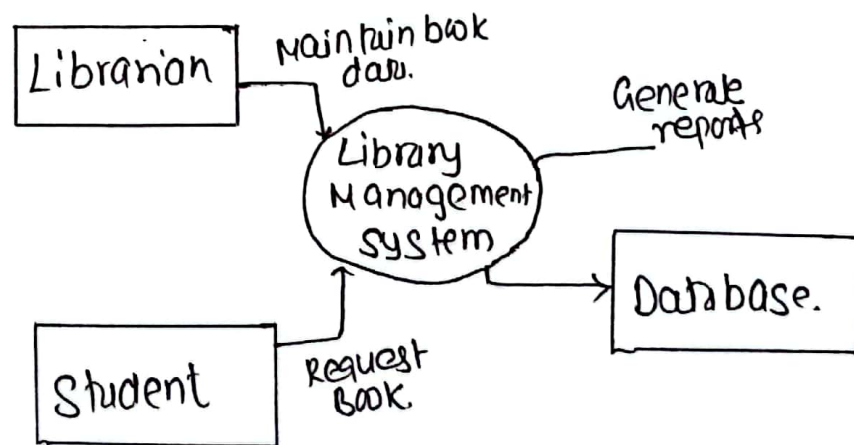
1) INTRODUCTION OF THE SYSTEM :

↳ The Library Management system is designed to automate the operations of a library. It manages books, members, issuing and returning of books, tracks fines. The goal is to streamline library processes, reduce manual work and maintain accurate records.

2) CONTEXT DIAGRAM :

↳ A context diagram is a high-level data flow diagram that shows the system boundaries, external entities interacting with the system and the major information flows between the entities and the system.

Context diagram of the system :



3. DFD (DATA FLOW DIAGRAM)

a) Definition :

↳ A Data Flow Diagram (DFD) represents the flow of data within a system. It helps in understanding the processes involved and their interactions with external entities.

b) DFD upto level 2 :

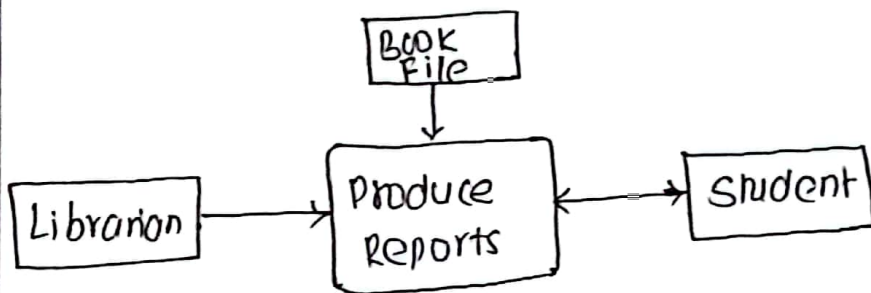


Fig :- Level 0 DFD of Library Management System

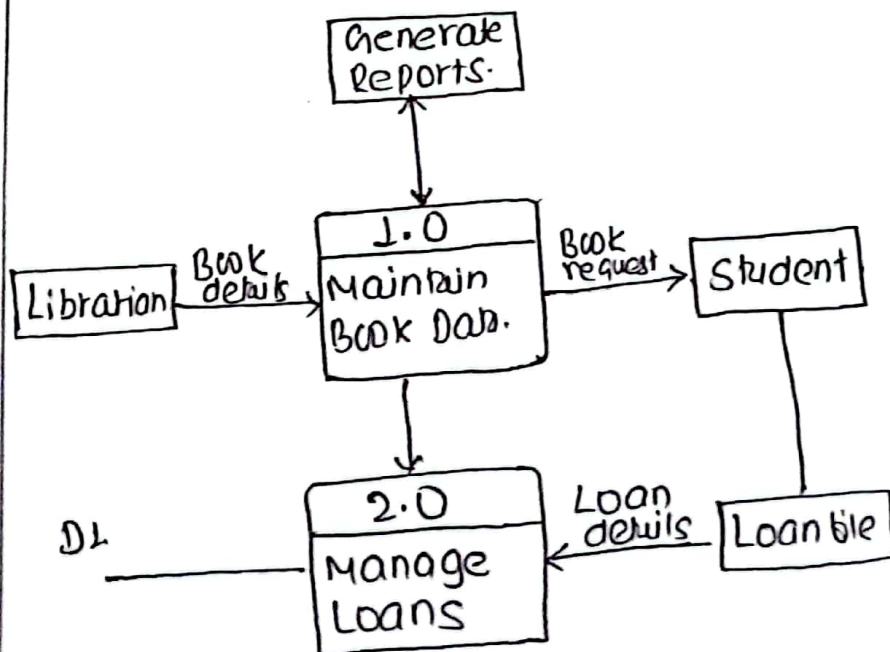


Fig: Level 1 DFD of Library Management System

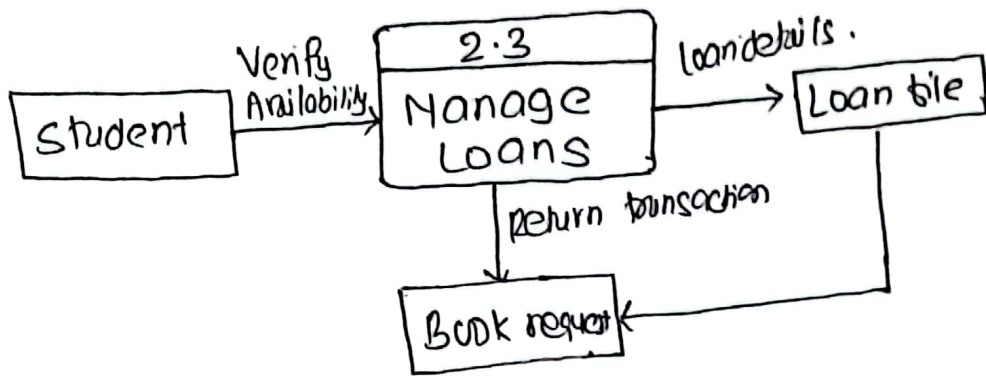


Fig:- level 2 DFD of Library Management System.

BIBLIOGRAPHY

1. Books
 - o "Database System Concepts" by Abraham Silberschatz, Henry F. Korth and S. Sudarshan.
 - o "System Analysis and Design (8th edition). by Kendall, K.E., & Kendall, J.E. (2010). Pearson education.
2. Websites
 - o "www.tutorialspoint.com - for understanding DFD concepts and examples.
3. Software / Tools.
 - o Microsoft Visio (for DFDs drawing)
 - o Lucid Chart (for online diagram creation).

PROJECT TITLE

4 SCHOOL/COLLEGE MANAGEMENT SYSTEM

ACKNOWLEDGEMENT

4 I would like to express my sincere gratitude to Bikesh Shrestha sir for his guidance and support throughout this project. I also thank my classmates and my supporters for their encouragement and support

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1) INTRODUCTION OF THE SYSTEM :

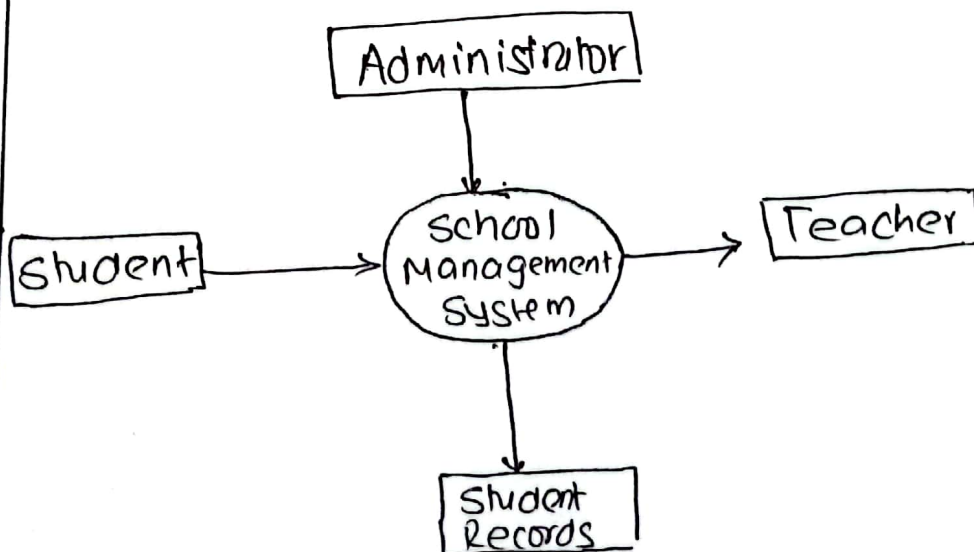
- ↳ The School/college Management system is designed to automate the operations of a school/college. It manages student data, administrative, academic and operational functions of educational institutions. The goal is to manage all aspects of a school/college from ~~sch~~ student enrollment and attendance to examination management and financial transactions.

2) CONTEXT DIAGRAM

a) Defination:

- ↳ A context diagram is a high-level data flows diagram that shows the system boundaries, external entities interacting with the system and the major information flows between the entities and the system.

b) Context Diagram of the system :



3. DFD (DATA FLOW DIAGRAM) :

a) Definition:

↳ A Data Flow Diagram (DFD) represents the flow of data within a system. It helps in understanding the processes involved and their interactions with external entities.

b) DFD upto ~~data~~ level 2 :

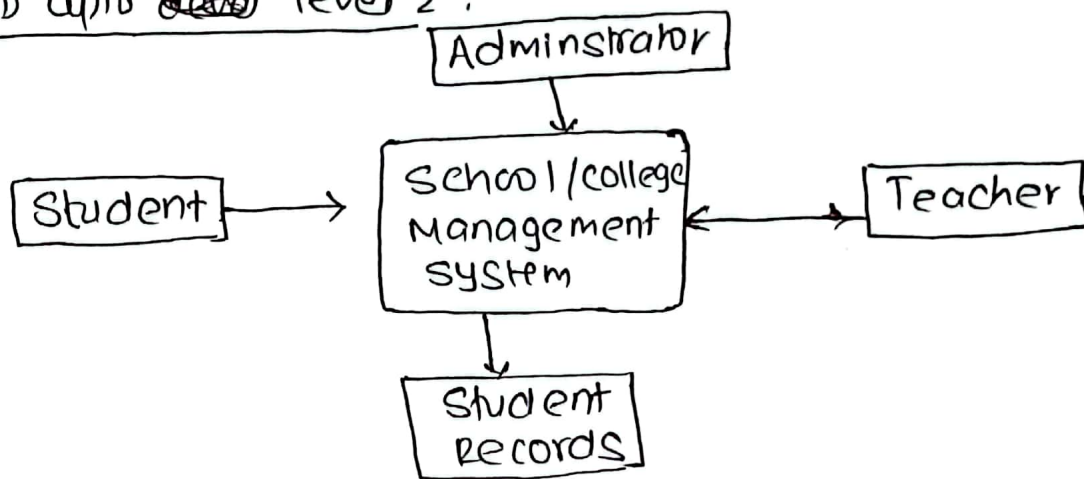


Fig:- Level 0 DFD of school/college management system

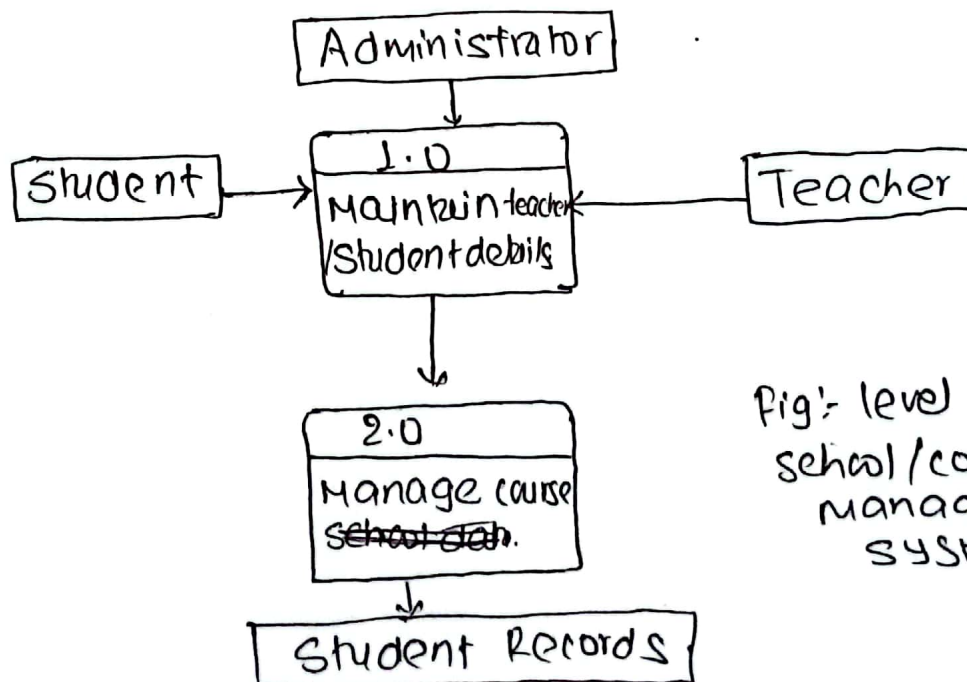


Fig:- level 1 DFD of school/college management system

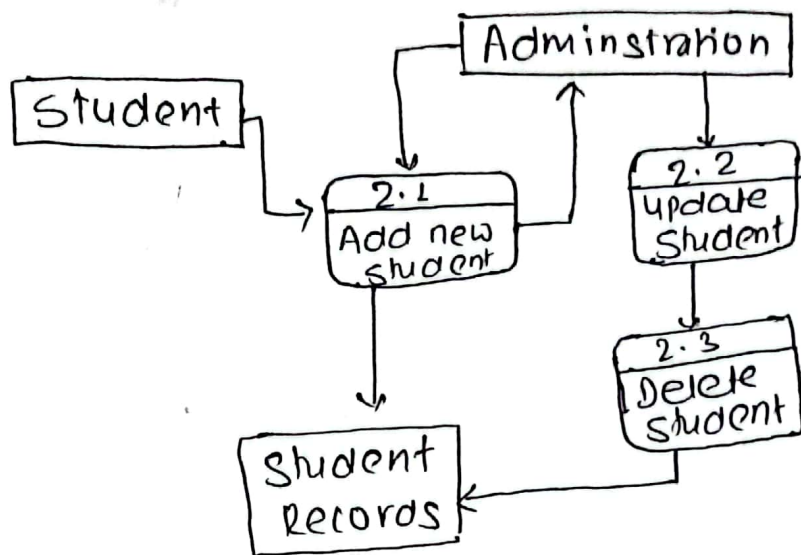


Fig: level 3 ~~to~~ DFD of school/college Management system.

• BIBLIOGRAPHY

1. Books :-

- o "Database System concepts" by Abraham silberschartz
- o "System Analysis and Design by kendall, J.E (2010)

2. Websites

- o www.tutorialspoint.com - for DFD understanding concepts and examples

3. Software/Tools.

- o Microsoft visio
- o Lucid chart (for DFD diagram creations)