Software Development 1 Lab Project Report

Institute Name: **Northern University Bangladesh**

Course: **Software Development 1**

Project Title: **Student Record Management System**

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Group Members:

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1. Introduction

A Student Record Management System project aims to create a centralized database for storing, managing and retrieving student information efficiently.

Example:

A System could allow student to register online, track their attendance, view their grades and communicate with their teacher through a dedicated portal. Administrators could manage student data, generate reports and track student progress. Teachers could update student information, track attendance and provide feedback on assignments.

2. Features

- Add new Student Record details
- View all Students Name
- Search Student by ID
- Delete Student details by ID

3. Tools & Technologies Used

- Language: **C / C++**
- Compiler: **Code::Blocks**
- OS: **Windows**
- Optional Tools: **GitHub**

4. System Design

A database to hold student data and a set of functions or methods to perform operations like adding, updating, deleting and searching for student records.
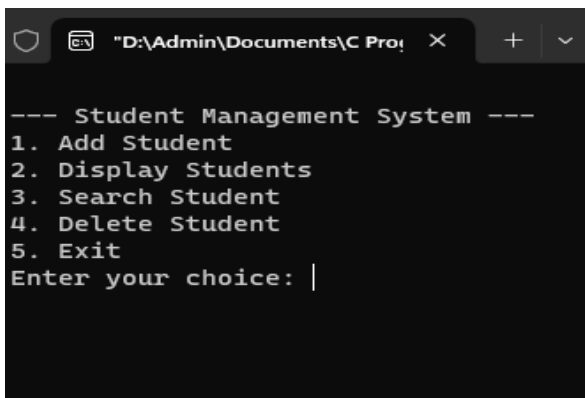
------Student Management System-------
1. Add Student
2. Display Students
3. Search Student
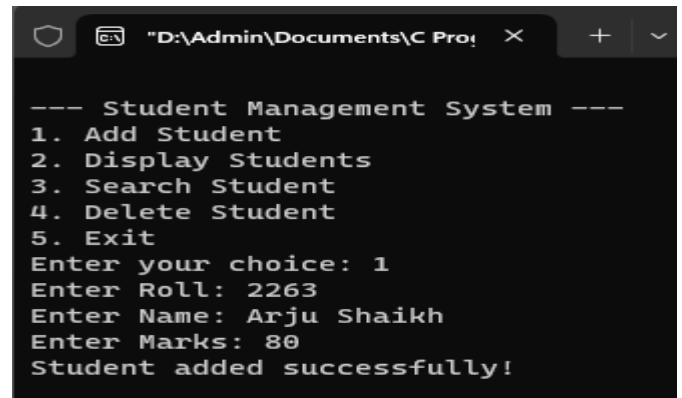4. Delete Student
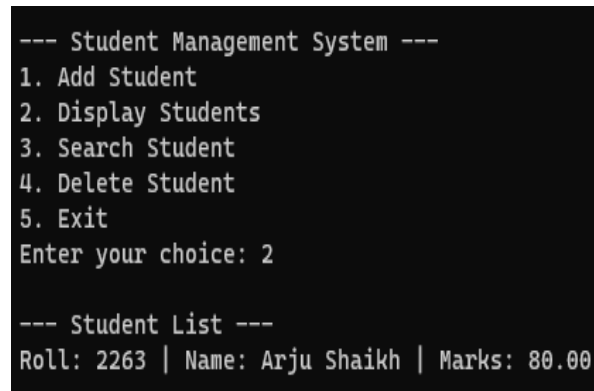5. Exit

 Enter your choice:

5. Sample Output (Screenshots)

Insert 2–3 screenshots showing program output. (**Example:** Add new Student, View student Record- Student ID, Student Name, Student Mark.)

6. Challenges Faced

Examples:
- Understanding file handling in C
- Designing menu-driven interface
- Debugging logical errors

7. Conclusion

This project helped us understand how to build simple software using structured programming in C. We learned how to manage data using structures and files and improved our problem-solving and teamwork skills.

8. References
- Code::Blocks
- www.Google.com
- ChatGPT
- www.YouTube.com

9. GitHub Repository

https://github.com/arjusheikh786/Student-Record-Management-System
https://github.com/MdSabbirhossain14/Student-Record-Management-System