# North South University
## Department of Electrical and Computer Engineering

## Lab Project Report

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| Semester | : | NSU Fall 2022 |
| Course Code | : | CSE 115L |
| Section | : | 12 |
| Group Name | : | G1 |
| Faculty | : | Rifat Ahmed Hassan (RIH) |
| Lab Instructor | : | A. S. M. Sabiqul Hassan |
| Project Topic | : | Gym Management System |
| GitHub Repo Link | : | atiyaibnattasnim/Gym-Management-System (github.com) |
| Submission Date | : | 13/11/2022 |

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# Project Proposal on Gym Management System

**Introduction of the project:**
We have studied C language, now we come to the real-life problems and see how we can solve them. Here we will use C program to develop one real project**.**

**Purpose of project:** Gym management system is specifically designed to serve the purpose of adding records in a gym. In this system, the logged in user can store records easily according to their categories. There will be a few categories such as member, trainer, staffs. The user can add, edit, view, remove Gym member's records. Records will be displayed in a systematic way.

**Description:** The whole project will be designed in C language and different variables, strings, loops, files, functions will be used for the development of this project. It will be easy to operate and understand by users. There will be no error or warning contents in the project. The design will be easy to use and navigate.

All the available operations of the project are enlisted below:
- Create
- Read
- Update
- Delete
- Query

**Scope of Project:**
- To make the Gym system more efficient and effective.
- To provide a user-friendly environment where user can be served better.
- Make functioning of gym faster.
- Provide a system where the gym staff can catch defaulters and not let them escape.

**Features: The features of this project include**
1. **Login system**
2. **Categories divided.**

The features that will be available to the users include:
- Add members
- Remove members
- Search members
- View member list
- Edit member's record

**Conclusion:** After completion of the project, we are sure the computerization of the Gym Management System will not only improve the efficiency but also reduce human stress thereby indirectly improving human resources.