STUDENT ADMISSION SYSTEM

Problem Statement:

Student admission system to a college.Program should add, view, update, edit,LIST,REPORTS DEPT WISE ETC..

Overview:

To build a student admission system using C++, that will allow the user to add, view, update, show list, and generate a report, all with reagards to the studet data. The project consists of various functions and switch cases. That will allow the user to go to the respective checkpoint with respect to his input.

Logic:

The code consists of a colleague of multiple logic merged together. The whole code is divided and build using separate functions, instead of doing everything in the main (or driver code). This keeps clean the driver code clean and easy when in need of editing something. Switch cases play a major role in this code, as they help in redirecting the user to whatever data the user needs. If-else conditions are used to check in places like count of the students, that if they don't exceed the limit are present in. For loops are used to help acces the user inputs and display the respective outputs.

Functions:

The following are the function prototypes used in the code:

void add_Stud(int id[], string std_name[], int age[], string std_dept[], float tenth_mark[], float twelth_mark[], float cut_off[], int& std_count);

void view_Stud(const int id[], const string std_name[], const int age[], const string std_dept[], float tenth_mark[], float twelth_mark[], const float cut_off[], int std_count);

void update_Stud(int id[], string std_name[], int age[], string std_dept[], float tenth_mark[], float twelth_mark[], float cut_off[], int std_count);
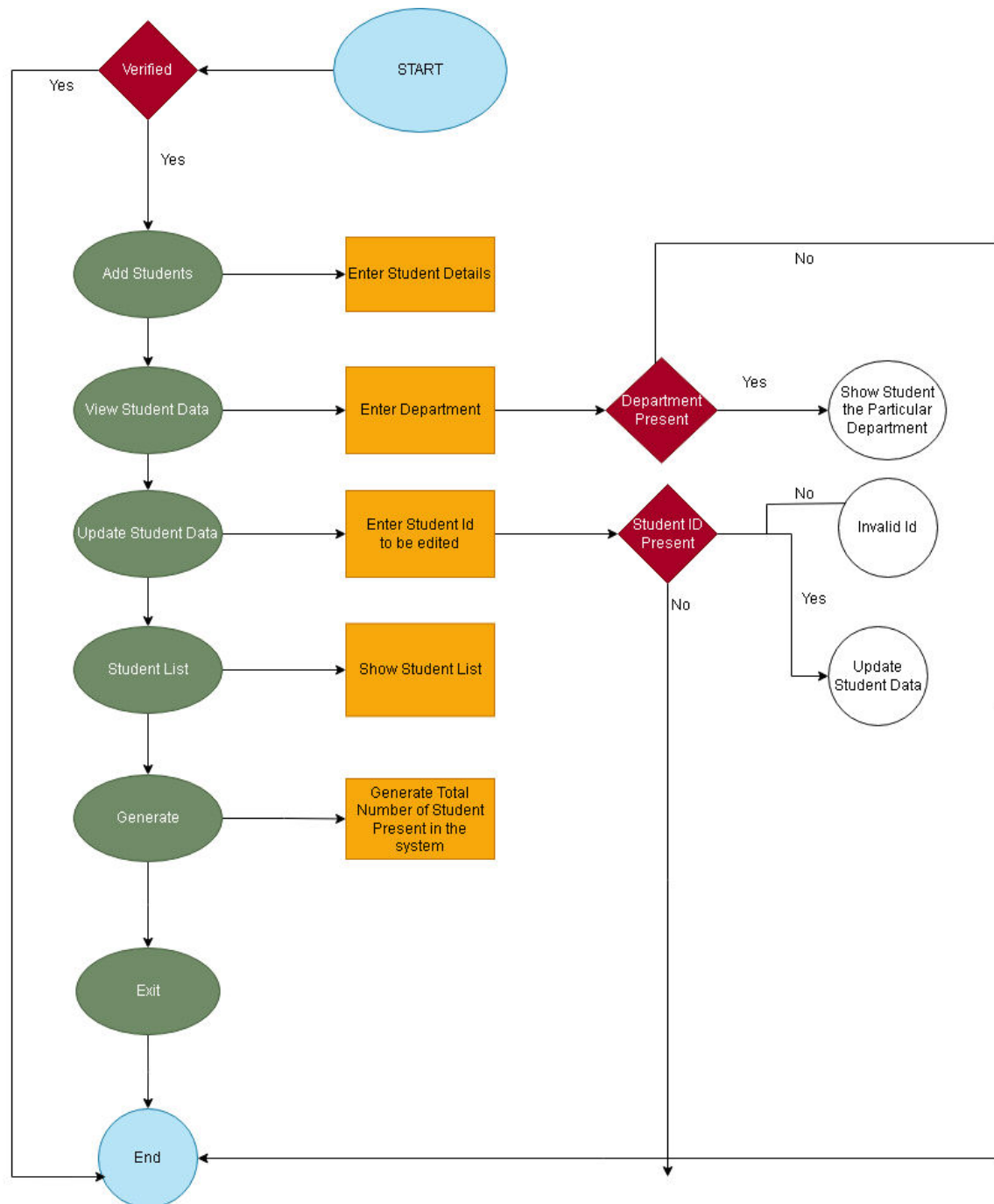
void edit_Stud(int id[], string std_name[], int age[], string std_dept[], float tenth_mark[], float twelth_mark[], float cut_off[], int& count);

void list_Stud(const int id[], const string std_name[], const int age[], const string std_dept[], float tenth_mark[], float twelth_mark[], const float cut_off[], int std_count);

void generate_Reports(const string std_dept[], int std_count);

Block Diagram:

This is the block diagram of the respective student admission system:

Conclusion:

This student admission system is used to add student records, update the records , edit it, view them and moreover generate a report of all the student count and department.