



Module Code & Module Title

CS6004NP Application Development

Assessment Weightage & Type

30% Individual Coursework

Year and Semester

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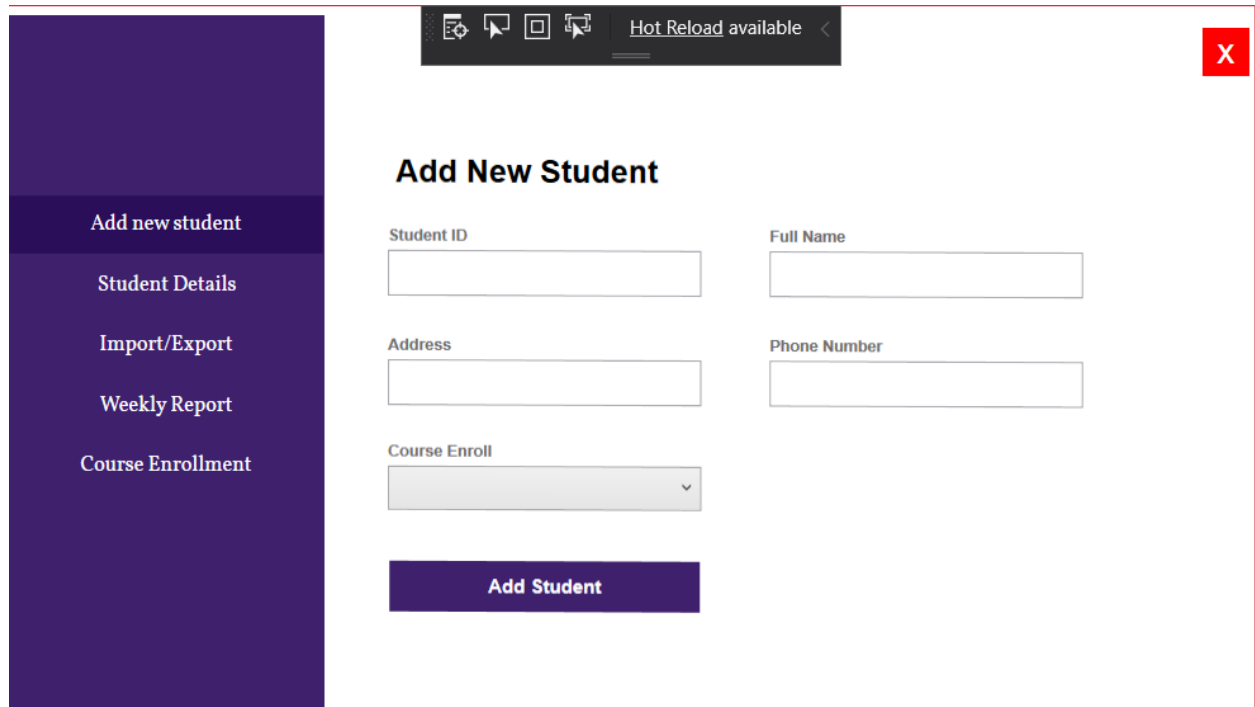
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1. Introduction

The system “Student Information System” is designed in the coursework for the fulfilment of student Course work. The features and function required to fulfil the system is designed and being developed. This system includes main page which consist of various functions like entering the data into the system which is being saved in xml file. The system can generate the chart based on weekly report, report which is done by sorting through student name and registration date. Further descriptions are well declared in other sections of this report.

2. User Manual

Add New Students



The screenshot shows a web application interface for adding a new student. On the left is a dark purple sidebar with a menu containing five items: 'Add new student' (highlighted), 'Student Details', 'Import/Export', 'Weekly Report', and 'Course Enrollment'. The main content area has a title 'Add New Student' and a form with the following fields: 'Student ID' (text input), 'Full Name' (text input), 'Address' (text input), 'Phone Number' (text input), and 'Course Enroll' (dropdown menu). A dark purple button labeled 'Add Student' is positioned below the form. At the top of the main area, there is a dark grey toolbar with icons for zooming and a 'Hot Reload available' notification. A red close button (X) is in the top right corner.

Figure 1: Add New Students

Added New Student Successfully

The screenshot shows a web application interface for adding a new student. On the left is a dark purple sidebar with navigation links: 'Add new student', 'Student Details', 'Import/Export', 'Weekly Report', and 'Course Enrollment'. The main content area has a title 'Add New Student' and a form with the following fields: 'Student ID' (12), 'Full Name' (Chiran Baruwal), 'Address' (Fulbari-11, Pokhara), 'Phone Number' (9864371535), and 'Course Enroll' (a dropdown menu set to 'BIT'). A purple 'Add Student' button is at the bottom. A red toast notification in the top right corner says 'Data saved successfully!' with an 'OK' button. A top bar contains icons and the text 'Hot Reload available'.

Figure 2: Added New Student Successfully

Student Details

The screenshot shows the 'Student Details' section of the application. It features a purple sidebar with the same navigation links as Figure 2. The main content area has a title 'Student Details' and a 'Refresh' button. Below the title is a table with 6 columns: StudentID, StudentName, StudentAddress, StudentPhone, CourseEnrolled, and an empty column. The table contains 10 rows of student data. A top bar with icons and 'Hot Reload available' is also visible.

StudentID	StudentName	StudentAddress	StudentPhone	CourseEnrolled	
123	Sangam	Parshyang	12388	BIT	
123	Sujan	Pokhara	9803322112	BBA	
555	Ujwal	Ratnachowk	255336	BCA	
777	CHiran	Fulbari	44555	BBA	
123	Roshan	Pokhara	9803322112	BBA	
777	Buddha	Fulbari	44555	BBA	
123	Harry	Gharipatam	7898	BBA	
123	ghhhh	g	g	BBS	
1	1	1	1	BBS	
1234	23456	2345	12345	BCA	

Figure 3: Student Details

Import (Import Student's file)

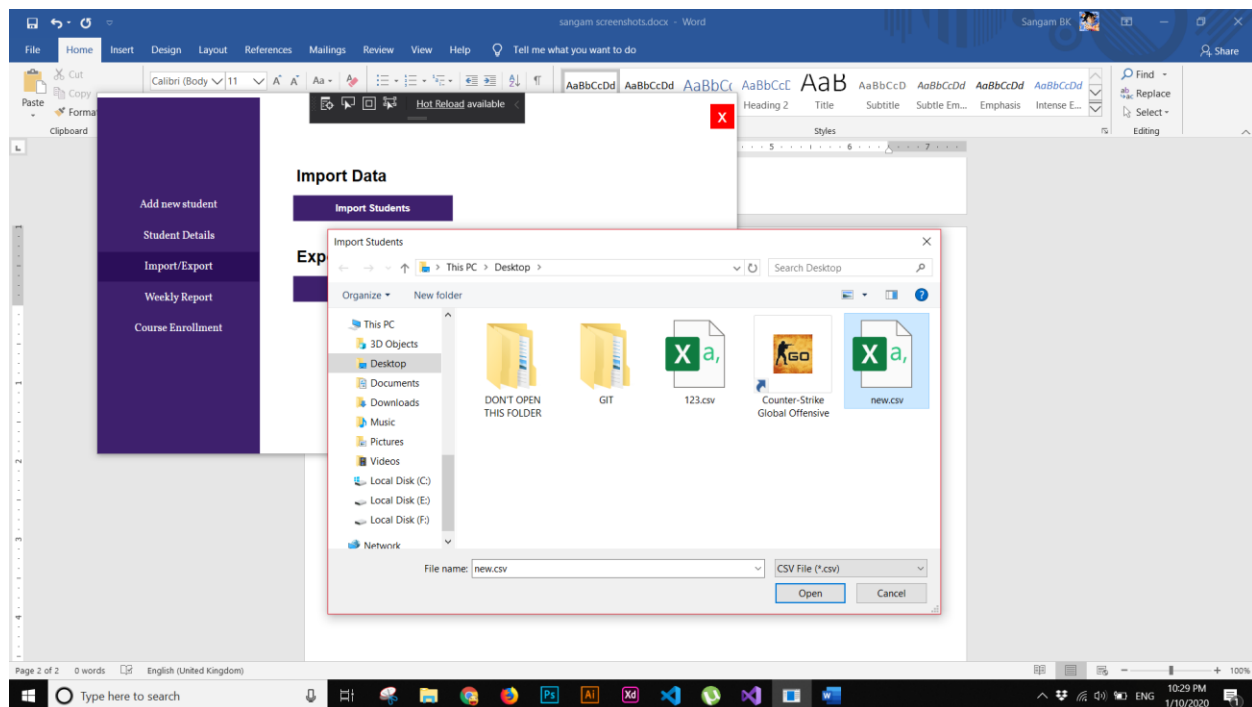


Figure 4: Import (Import Student's file)

Imported Data Successfully

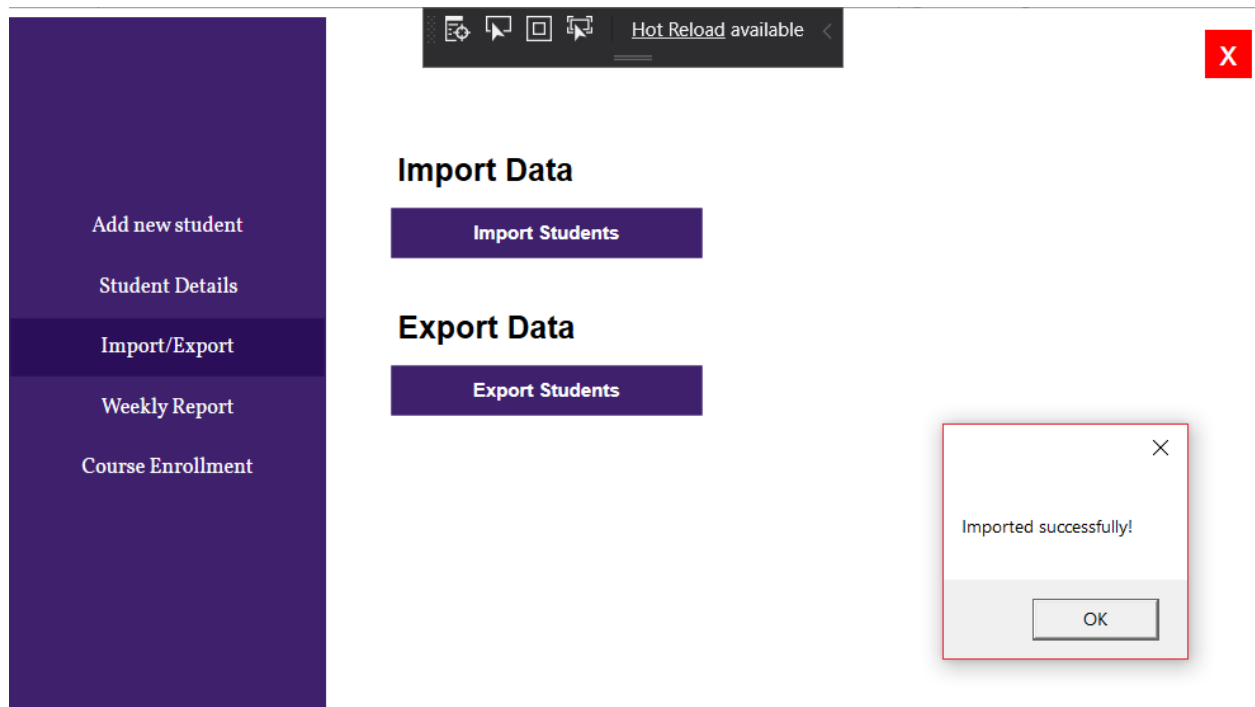


Figure 5: Imported Data Successfully

Enrolment Report

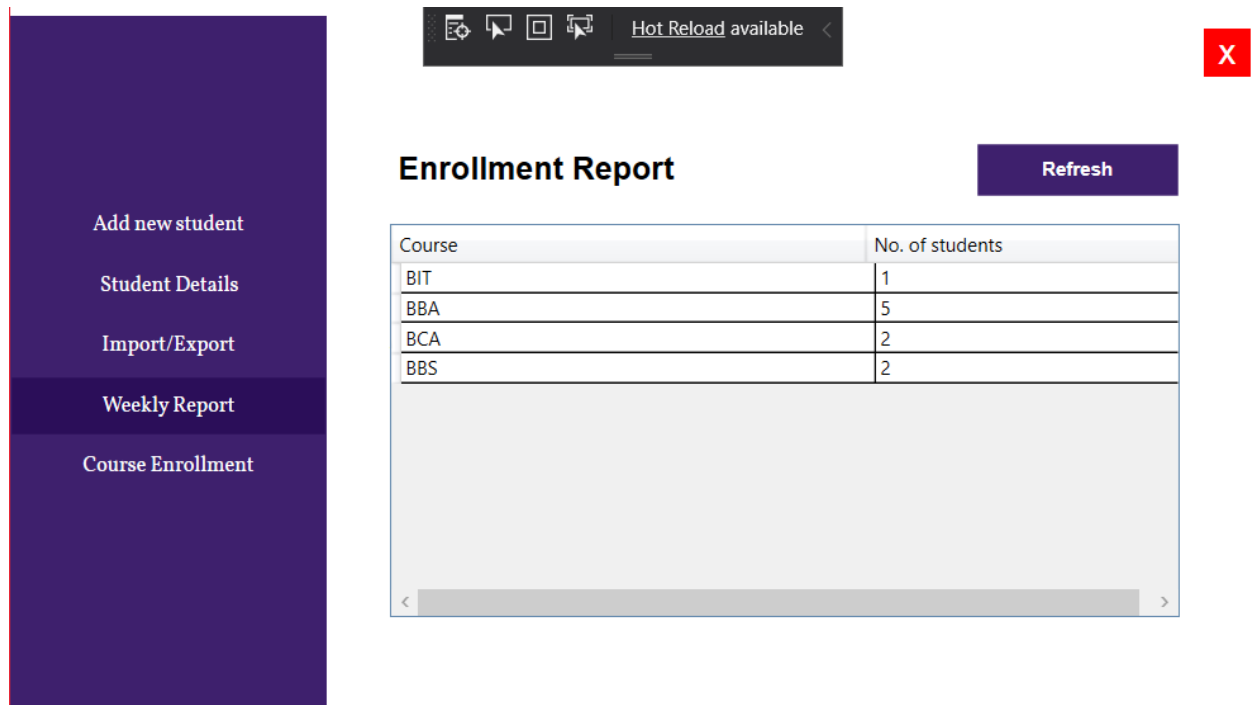


Figure 6: Enrolment Report

Course enrollment Chart

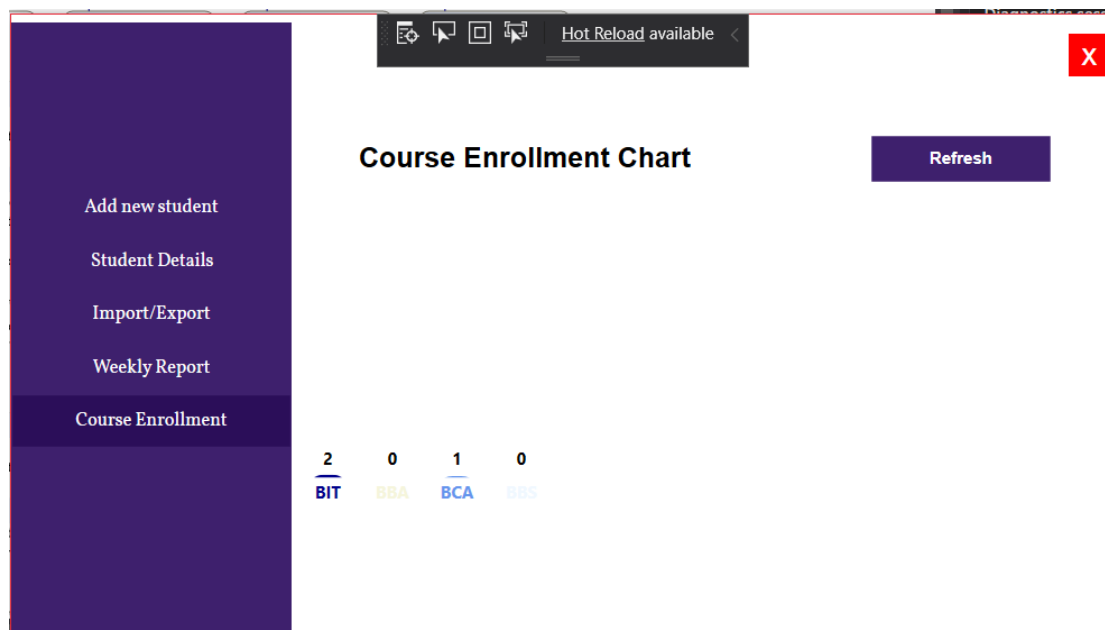


Figure 7: Course enrollment chart

3. System Architecture

3.1 Architecture Diagram

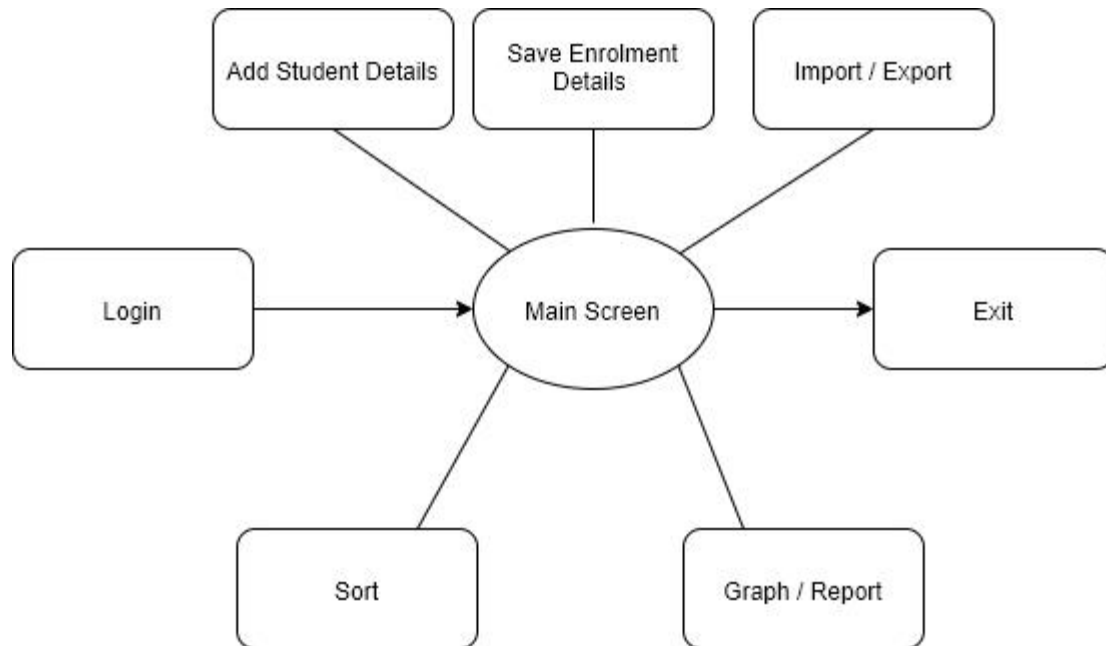


Figure 8: Architecture Diagram

3.2 Class Diagram

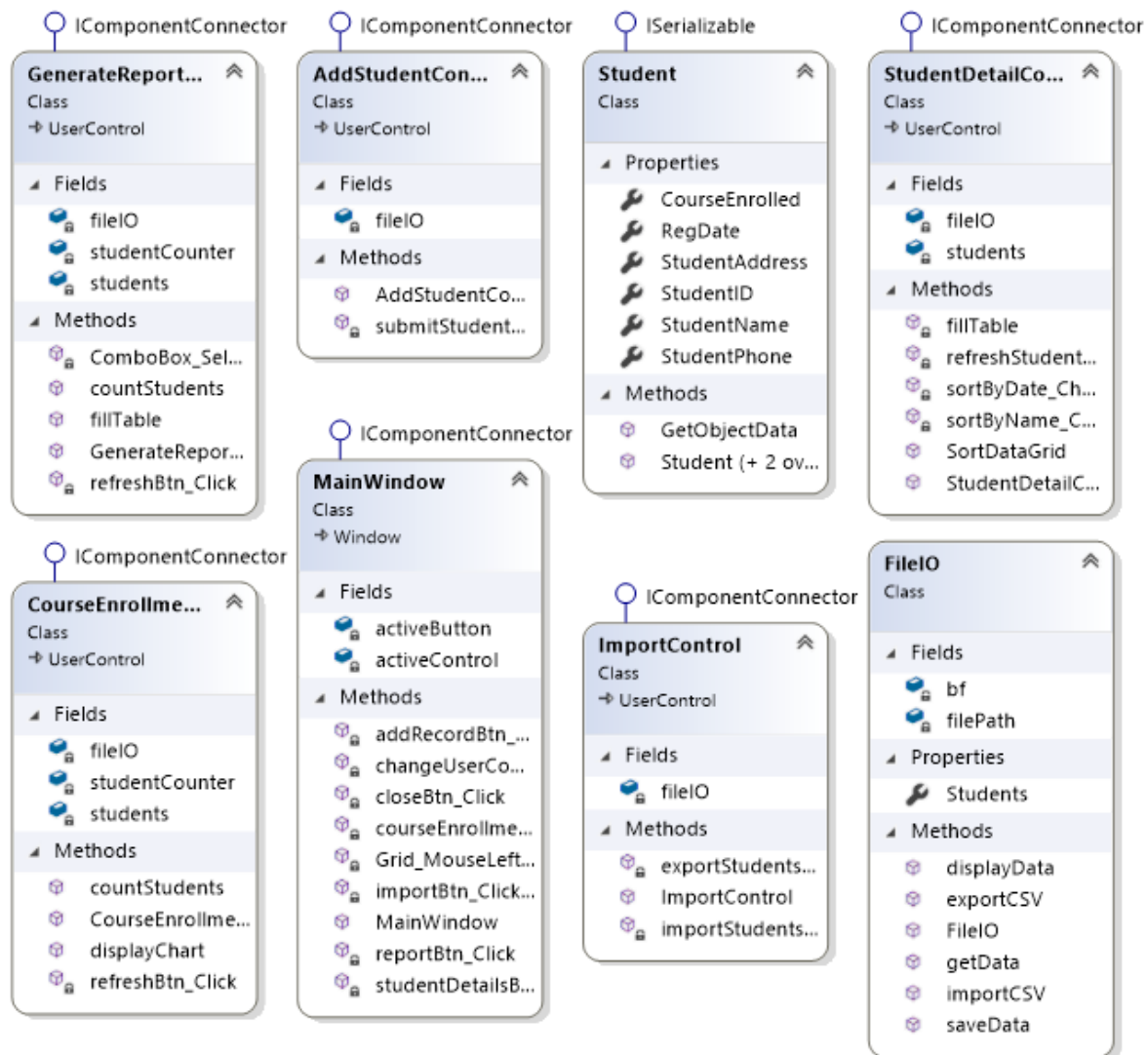


Figure 9: Class Diagram

4. Flowchart to enroll students

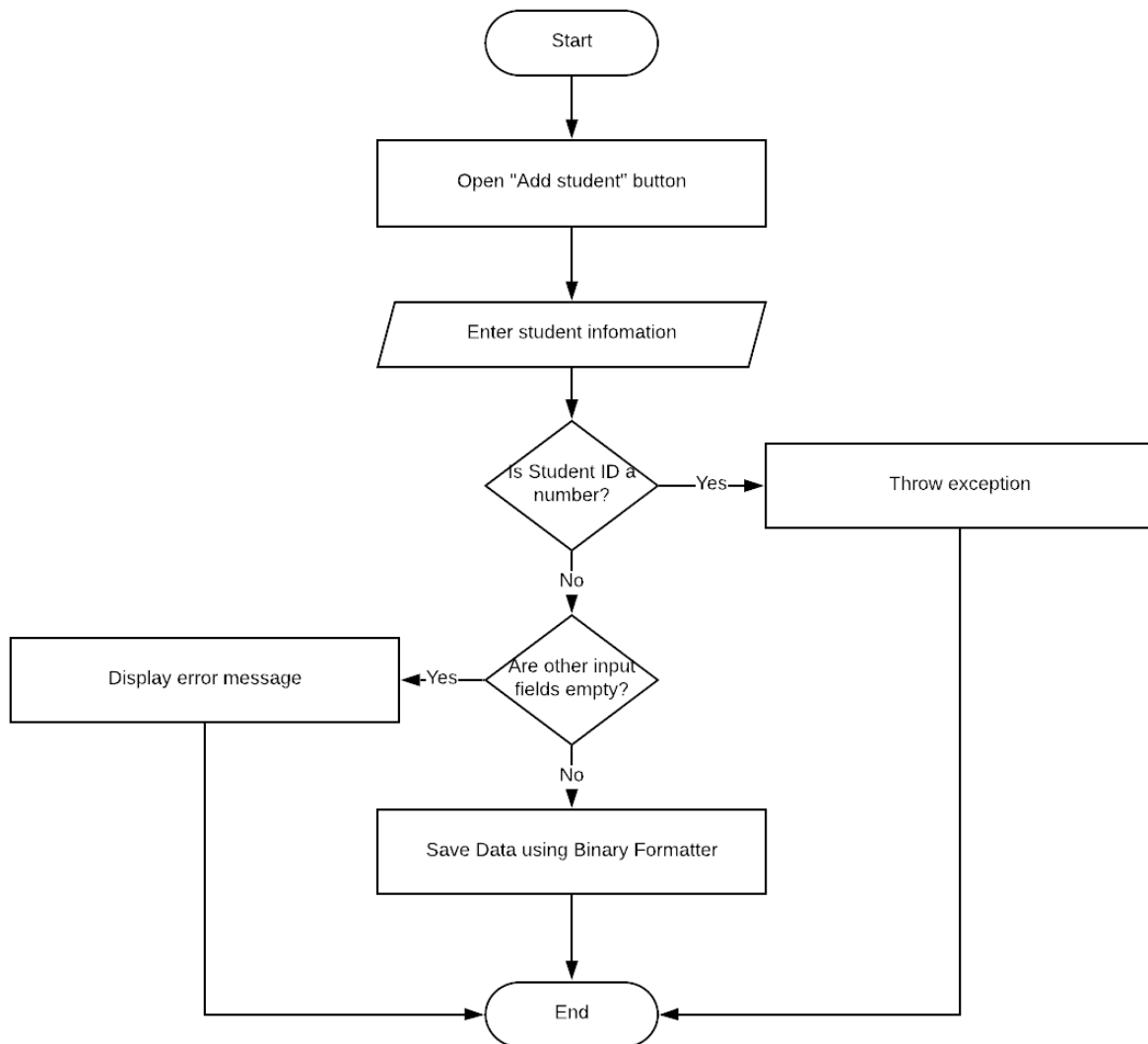


Figure 10: Flowchart to enroll students

5. Reflection

The system which I have built is Student Information System which is developed in C# language using Visual Studio. The system shows how the information of students are managed to keep under the system by filling all the required data on it. This system is designed highly user interface so that a user can easily operate it.

In this system an end user can add the student details by filling the forms and have got the option to save them in the table. And after adding the student details the user can easily get excess to the student details simply by opening the folder where all the required details of the students are stored.

Since we have been doing the different project in visual studio of another module which is application development. It was quite easy for us to understand about the task. And while doing this task lots of errors were found which were successfully solved by watching the videos on the internet and discussion with the module leader.

6. Conclusion

This system “Student Information System” is developed using Visual Studio 2019 which is being carried out in C#.Net framework. This system is used only by the selected user to whom it has been given the access to. The user will have the access to add or remove the data in the system. The data entered in the system will automatically in the xml file. The total number of the students enrolled in each course in the system will be counted automatically and showed in the graphical representation form. Adding to that information connecting the user interface with the coding was much more complicated. Lots of rough was made mind map were draw, concept was developed and dropped but finally the project is done.