Informatics College Pokhara

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Application Development

CS6004NI

Course Work 1

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London Met ID: Enter ID Here   Module Leader

Component Grade and Comments	
A. Implementation of Application	
User Interface and proper controls used for designing	User Interface is complete but not separated and have proper use of controls
Manual data entry or import from csv	appropriate use of data types but missing some properties required or missing CRUD operation
Data Validation	missing most of the validation
Enrollment Report & weekly report in tabular format	very poorly executed reports and data not shown accurately
Course wise enrollment report & Chart display	Very poorly designed and only contains one report format with in appropriate data
Algorithm used for sorting & proper sorting of data	Sorting is implemented for not function properly
B. Documentation	
User Manual for running the application	User Manual is below average. Is textual only.

Application architecture & description of the classes ad methods sued	average work with very limited explanation of the classes and methods used
Flow chart, algoriathms and data sctructures used	average work with very limited explanation and missing diagramatic representation.
Reflective essay	Very poorly written

C. Programming Style

Clarity of code,Popper Naming convention & comments	very poorly written code and no comments at all
System Usability	very poorly developed application

Overall Grade:	C+	C+

Overall Comment:

Code should be self explainable with less comments. Need some proper naming of the componen and require to add comments on required area.

In overall the code is working and all the functionality seems working and system can be used

Module Code & Module Title

CS6004NP Application Development

Assessment Weightage & Type

30% Individual Coursework

Year and Semester

2019-20 Autumn

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Table of Contents

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

Figure 1: Add New Students

Added New Student Successfully

Figure 2: Added New Student Successfully

Student Details

Figure 3: Student Details
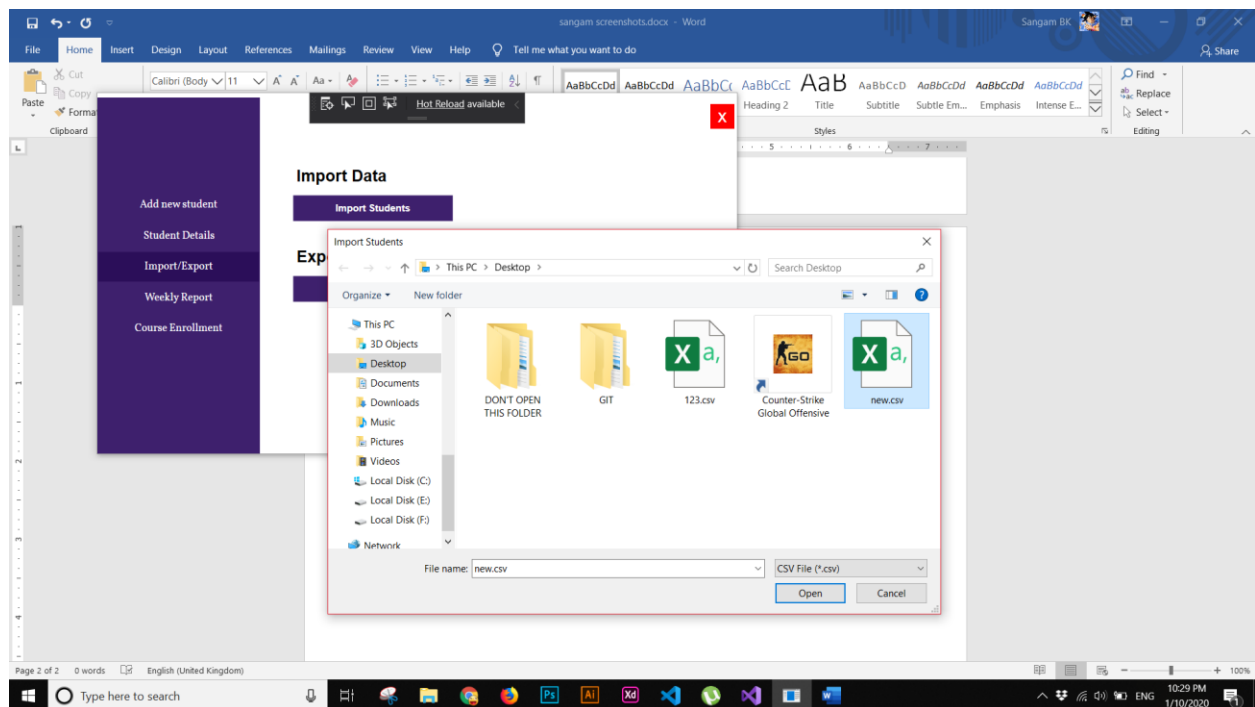
Import (Import Student's file)

Figure 4: Import (Import Student's file)

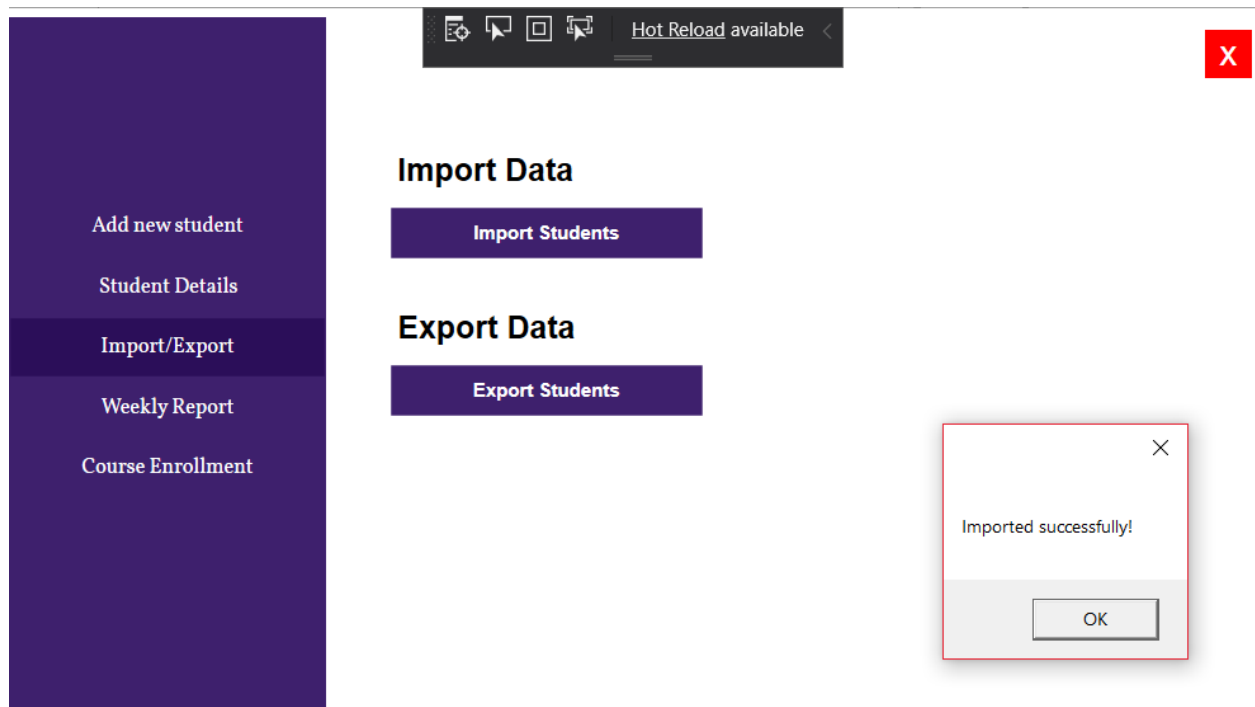**Imported Data Successfully**

Figure 5: Imported Data Successfully

Enrolment Report
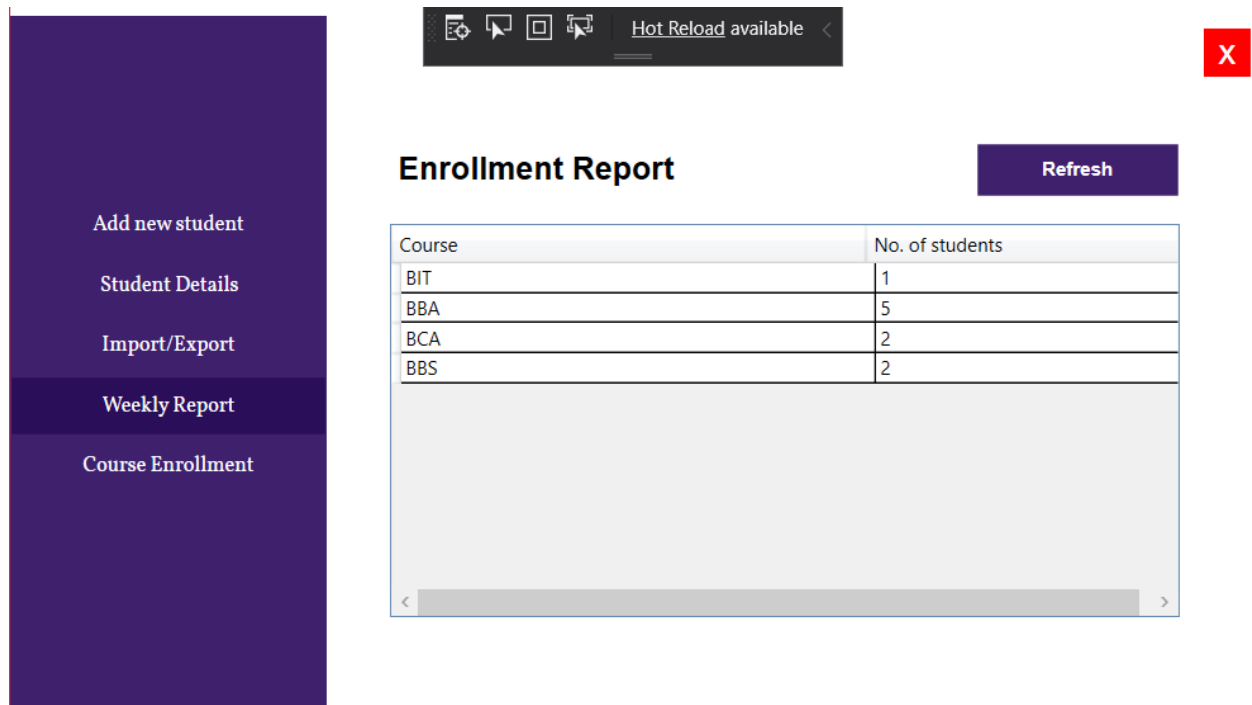

Figure 6: Enrolment Report

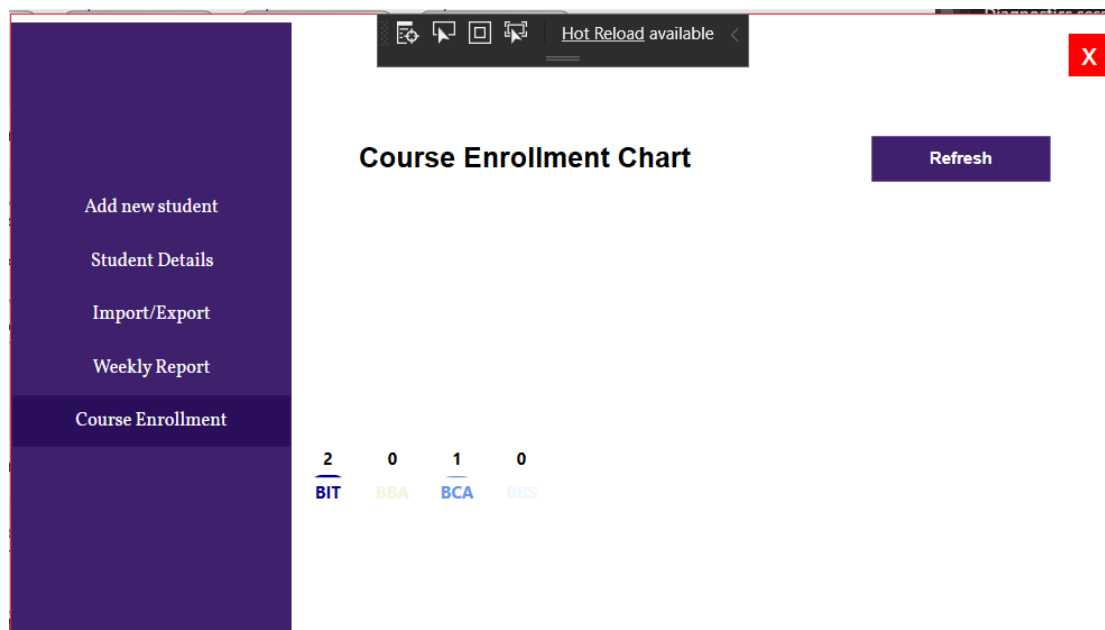## Course enrollment Chart

Figure 7: Course enrollment chart

3. System Architecture

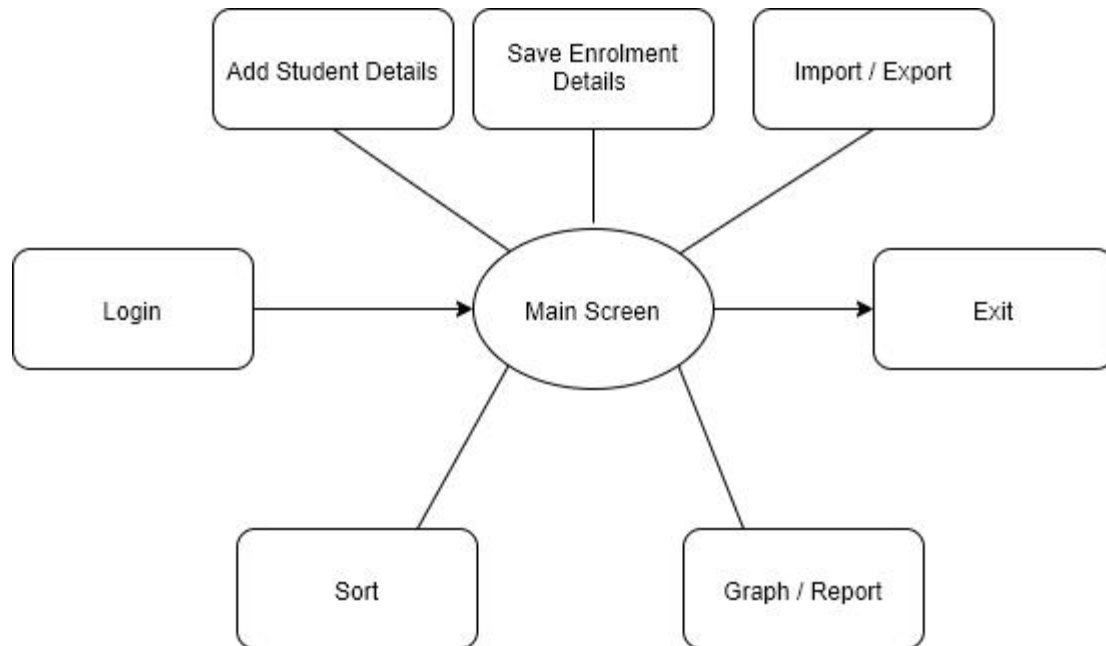## 3.1 Architecture Diagram

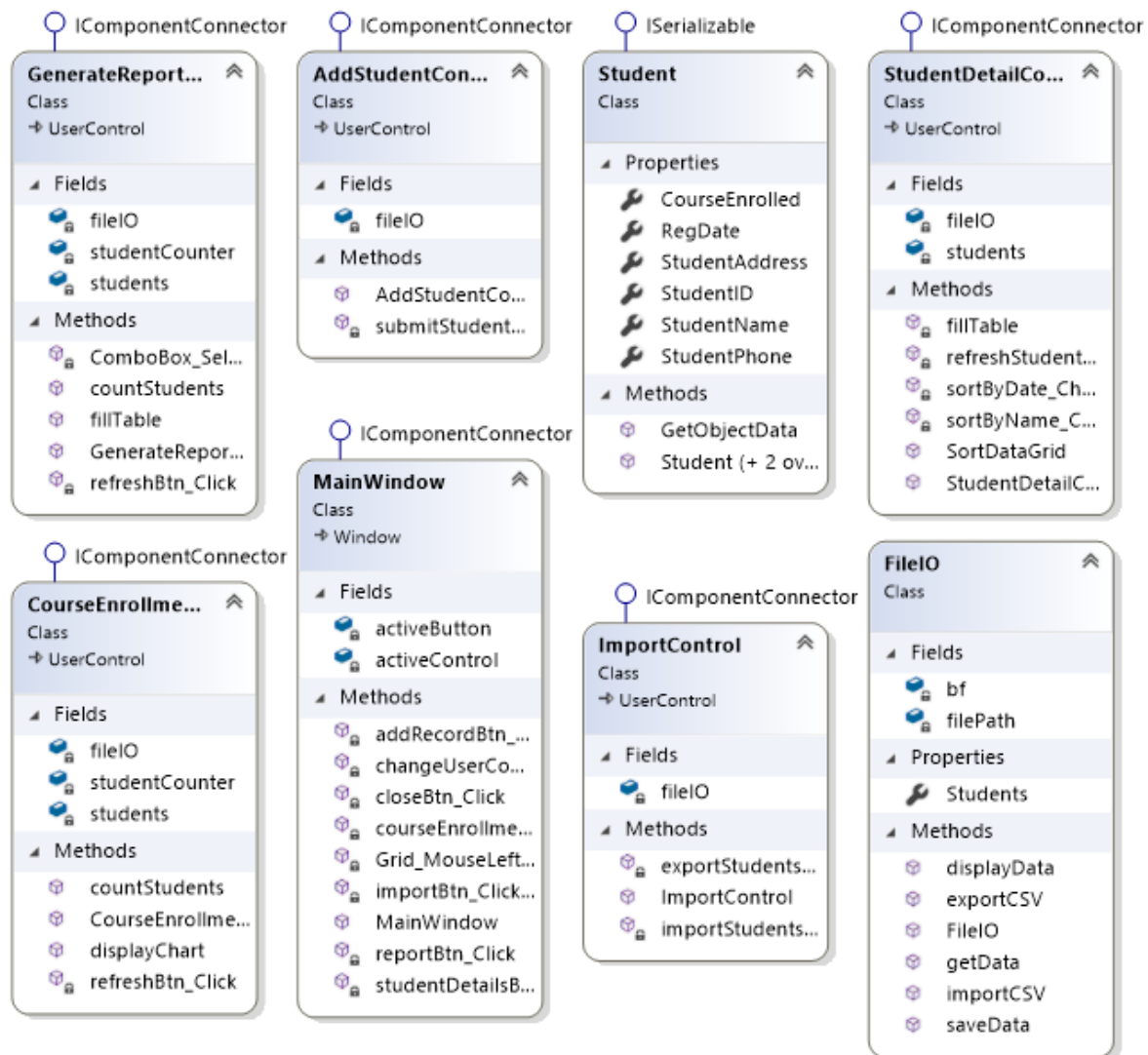*Figure 8: Architecture Diagram*

3.2 Class Diagram

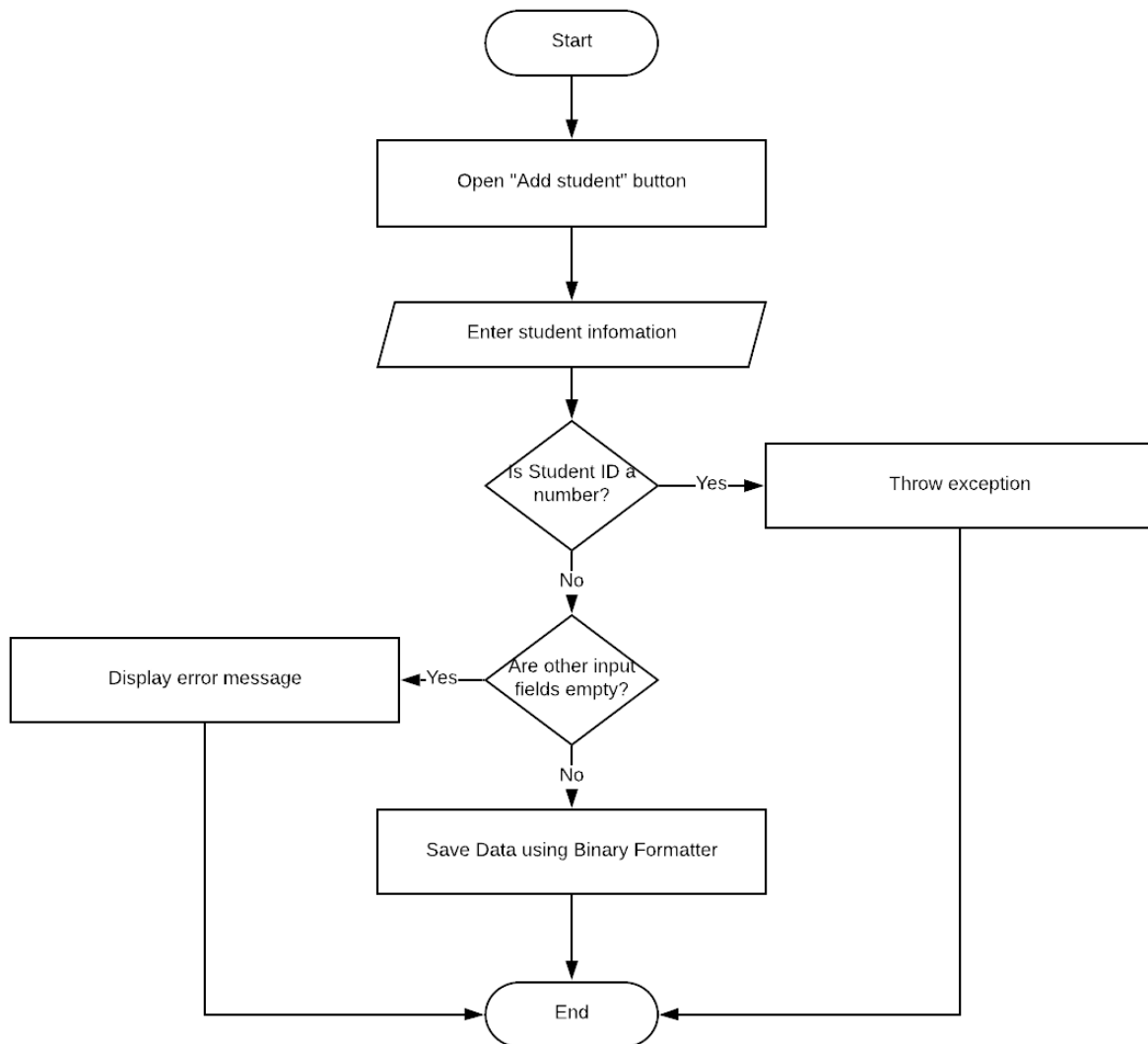*Figure 9: Class Diagram*

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.