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Executive Summary

The student record and management system provides the user to access different information of the students including, student Id, address, name, mobile, date of birth, age, department, and other information as required for that specific educational institutions. The system enables the user to access those information and it has save or add new button which adds the data to the database and a display button to display the added data and a delete button to delete the unwanted data. This system has also a cancel button to make the writing space ready for next data to be filled and a search button to search what we want. An update button is used to edit and update the changes. An exit button enables the user to exit from the window app, student record and management system.

1. Introduction

Education has been industrialized for the past centuries. From teaching and learning under a tree to developing the minds and skills of students through effective, efficient and modern way. Educational institutions nowadays are focusing their mission and vision in the quality of education. To do this they are equipped with numbers of professionals who will be the best asset in the course of education, the faculty. Facilities also play a great role in bringing a better education environment.

Student management system is an environment where all the process of the student in the institution is managed. It is done through the automated computerized method. Conventionally the system is done using papers, file and binders.

Student record management system is designed to help manage the daily school activities of recording and maintaining by automating it. It can be said as student information system (SIS) or school record system (SRS). These tools help in managing the institute efficiently and accurately.

2. Problem Statement

The current data recording and management system in most places, especially in institutions and schools are in papers and binders. Everyone using the service around these places usually complains about the complexity of the work. The problem of being handy and manual leads the work very tedious and tiresome. This tedious work gives a headache for the workers so that they spend a lot of time for finding the desired information for a specific student. Because of these paper work users, including students can't access what they really deserve. Most of these institutes use these document and data in word and excel so that getting someone's information is complex indeed. So that I came up with a digital idea that, any service provider institute especially schools and educational institutions can possibly use comfortably.

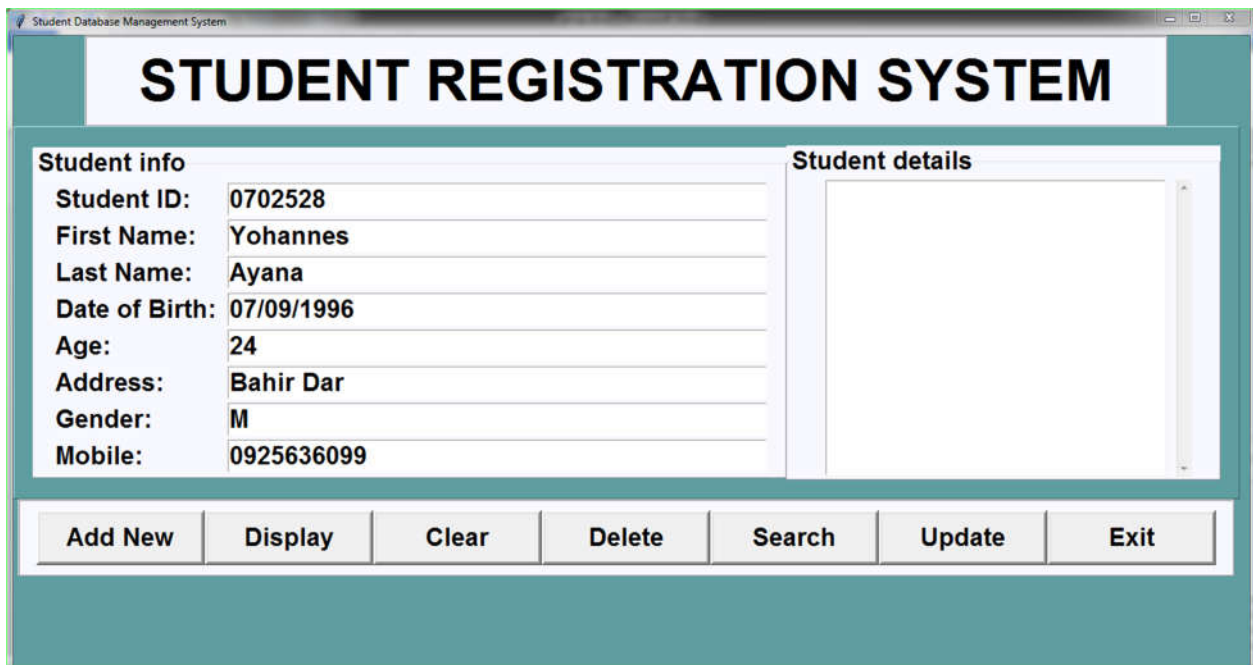
3. Project details

This management enables the users to easily access what they want to check within short period of time. This management system has 7 features. These are

- Add New
- Display
- Clear
- Delete
- Search
- Update
- Exit

Add New

This feature enables the system user to add new files in to the database. This button can help us to save the required information like ID, name, address, mobile, gender, department, pc brand, serial number and other information as required.



The screenshot displays a web application titled "STUDENT REGISTRATION SYSTEM". It features two main input sections: "Student info" and "Student details". The "Student info" section contains the following data:

Student info	
Student ID:	0702528
First Name:	Yohannes
Last Name:	Ayana
Date of Birth:	07/09/1996
Age:	24
Address:	Bahir Dar
Gender:	M
Mobile:	0925636099

The "Student details" section is currently empty. At the bottom of the interface, there is a row of seven buttons: "Add New", "Display", "Clear", "Delete", "Search", "Update", and "Exit".

Fig information of a student before added to the database

The screenshot displays a web application titled "STUDENT REGISTRATION SYSTEM". It features two main sections: "Student info" and "Student details". The "Student info" section contains a form with the following fields and values: Student ID (0702528), First Name (Yohannes), Last Name (Ayana), Date of Birth (07/09/1996), Age (24), Address (Bahir Dar), Gender (M), and Mobile (0925636099). The "Student details" section shows a summary of the entered information: "0702528 Yohannes Ayana 07/09/1996 24 (Bahir D)". At the bottom, there is a row of buttons: "Add New", "Display", "Clear", "Delete", "Search", "Update", and "Exit".

Student info	
Student ID:	0702528
First Name:	Yohannes
Last Name:	Ayana
Date of Birth:	07/09/1996
Age:	24
Address:	Bahir Dar
Gender:	M
Mobile:	0925636099

Student details
0702528 Yohannes Ayana 07/09/1996 24 (Bahir D)

Add New	Display	Clear	Delete	Search	Update	Exit
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Fig information of a student after "Add New" button is clicked

Display

This button displays the information added early to the database. This enables the user to see what information of the student has added. The user should click this button to see the added information together the previously added.

STUDENT REGISTRATION SYSTEM

Student info		Student details
Student ID:	070233	1 0702528 Yohannes Ayana 07/09/1996 24 (Bahir
First Name:	Matthias	2 070233 Matthias Amare 01/07/1996 24 (Bahir Da
Last Name:	Amare	
Date of Birth:	01/07/1996	
Age:	24	
Address:	Bahir Dar	
Gender:	M	
Mobile:	0918002646	

Buttons: Add New, Display, Clear, Delete, Search, Update, Exit

Fig Showing information displayed after being added to the database

Clear

This button clears the writing area and makes it ready for other data to be written. Even though the button cancels the writing area, the saved information remains in the database. This button is crucial so that the user can easily proceed for information of next student.

STUDENT REGISTRATION SYSTEM

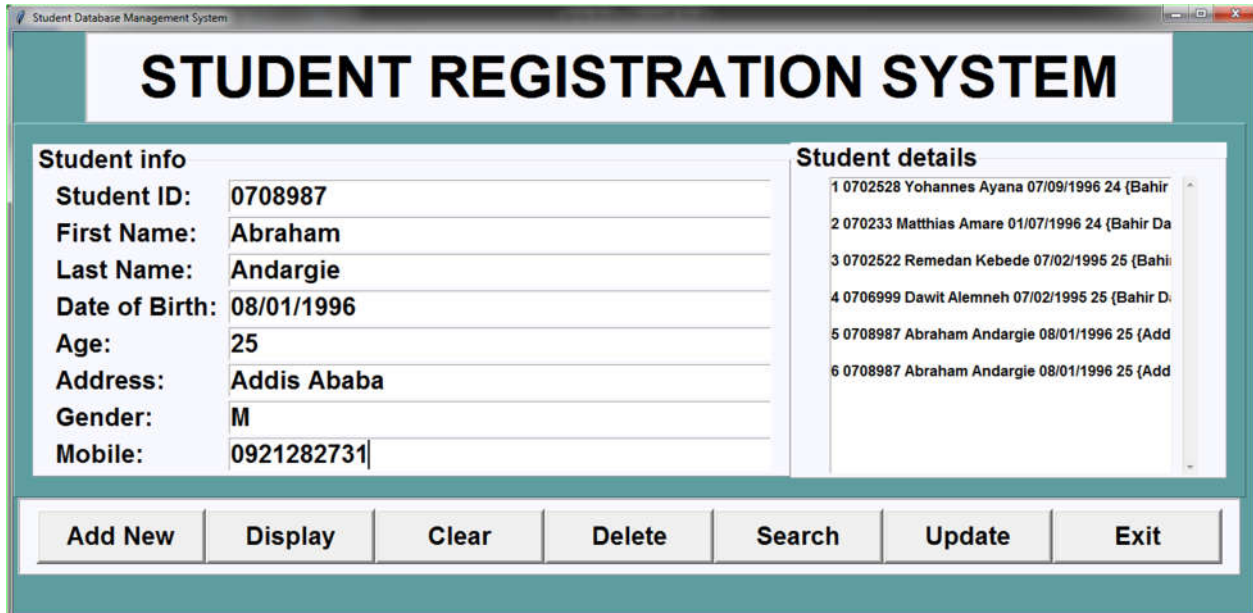
Student info		Student details
Student ID:		1 0702528 Yohannes Ayana 07/09/1996 24 (Bahir
First Name:		2 070233 Matthias Amare 01/07/1996 24 (Bahir Da
Last Name:		
Date of Birth:		
Age:		
Address:		
Gender:		
Mobile:		

Buttons: Add New, Display, Clear, Delete, Search, Update, Exit

Fig. clear button is clicked so that the writing area is cleaned and being ready for next data to be filled.

Delete

This button is important for deleting files that we don't want to use. We usually delete repeated documents and some other improper information included in the storage. After deleting the data that we don't it anymore, we should update it by clicking the “Update” button

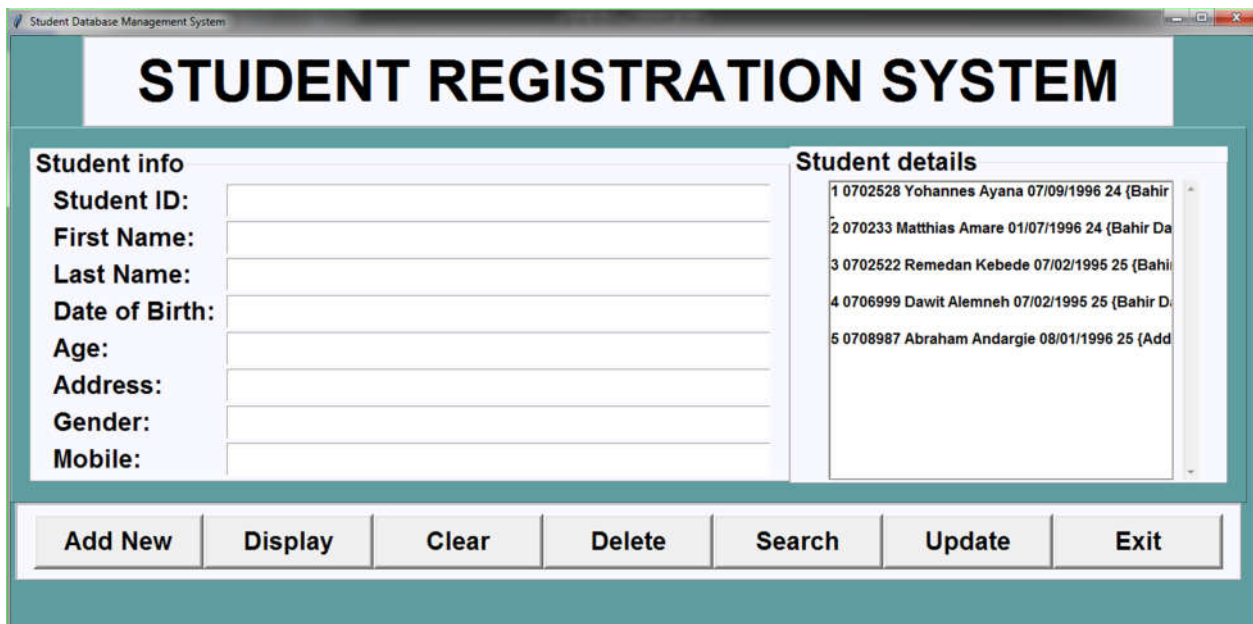


The screenshot shows the 'Student Database Management System' window. The title bar reads 'Student Database Management System'. The main window has a teal header with the title 'STUDENT REGISTRATION SYSTEM'. Below the header, there are two main sections: 'Student info' on the left and 'Student details' on the right. The 'Student info' section contains a form with the following fields: Student ID (0708987), First Name (Abraham), Last Name (Andargie), Date of Birth (08/01/1996), Age (25), Address (Addis Ababa), Gender (M), and Mobile (0921282731). The 'Student details' section contains a list of student records. The list shows 6 records, with the 5th and 6th records being identical: '5 0708987 Abraham Andargie 08/01/1996 25 {Add' and '6 0708987 Abraham Andargie 08/01/1996 25 {Add'. At the bottom of the window, there is a row of buttons: Add New, Display, Clear, Delete, Search, Update, and Exit.

Student ID	First Name	Last Name	Date of Birth	Age	Address	Gender	Mobile
0708987	Abraham	Andargie	08/01/1996	25	Addis Ababa	M	0921282731

Student ID	First Name	Last Name	Date of Birth	Age	Address	Gender	Mobile
1 0702528	Yohannes	Ayana	07/09/1996	24	{Bahir		
2 070233	Matthias	Amare	01/07/1996	24	{Bahir		
3 0702522	Remedan	Kebede	07/02/1995	25	{Bahir		
4 0706999	Dawit	Alemneh	07/02/1995	25	{Bahir		
5 0708987	Abraham	Andargie	08/01/1996	25	{Add		
6 0708987	Abraham	Andargie	08/01/1996	25	{Add		

Fig showing the 5th and 6th information are identical and repeated



The screenshot shows the 'Student Database Management System' window after deleting one of the repeated entries. The 'Student info' section remains the same. The 'Student details' section now shows only 5 records, with the 5th record being '5 0708987 Abraham Andargie 08/01/1996 25 {Add'. The 6th record has been removed. The buttons at the bottom remain the same: Add New, Display, Clear, Delete, Search, Update, and Exit.

Student ID	First Name	Last Name	Date of Birth	Age	Address	Gender	Mobile

Student ID	First Name	Last Name	Date of Birth	Age	Address	Gender	Mobile
1 0702528	Yohannes	Ayana	07/09/1996	24	{Bahir		
2 070233	Matthias	Amare	01/07/1996	24	{Bahir		
3 0702522	Remedan	Kebede	07/02/1995	25	{Bahir		
4 0706999	Dawit	Alemneh	07/02/1995	25	{Bahir		
5 0708987	Abraham	Andargie	08/01/1996	25	{Add		

Fig After deleting one of the repeated files.

Search

This feature of my system is probably the most important and gives the worker to have enjoyable work. By searching the Id only, or first name or last name only the registrar worker can easily access the whole information about that specific student.

STUDENT REGISTRATION SYSTEM

Student info

Student ID:

First Name:

Last Name:

Date of Birth:

Age:

Address:

Gender:

Mobile:

Student details

2 070233 Matthias Amare 01/07/1996 24 (Bahir Da

Add New Display Clear Delete Search Update Exit

STUDENT REGISTRATION SYSTEM

Student info

Student ID:

First Name:

Last Name:

Date of Birth:

Age:

Address:

Gender:

Mobile:

Student details

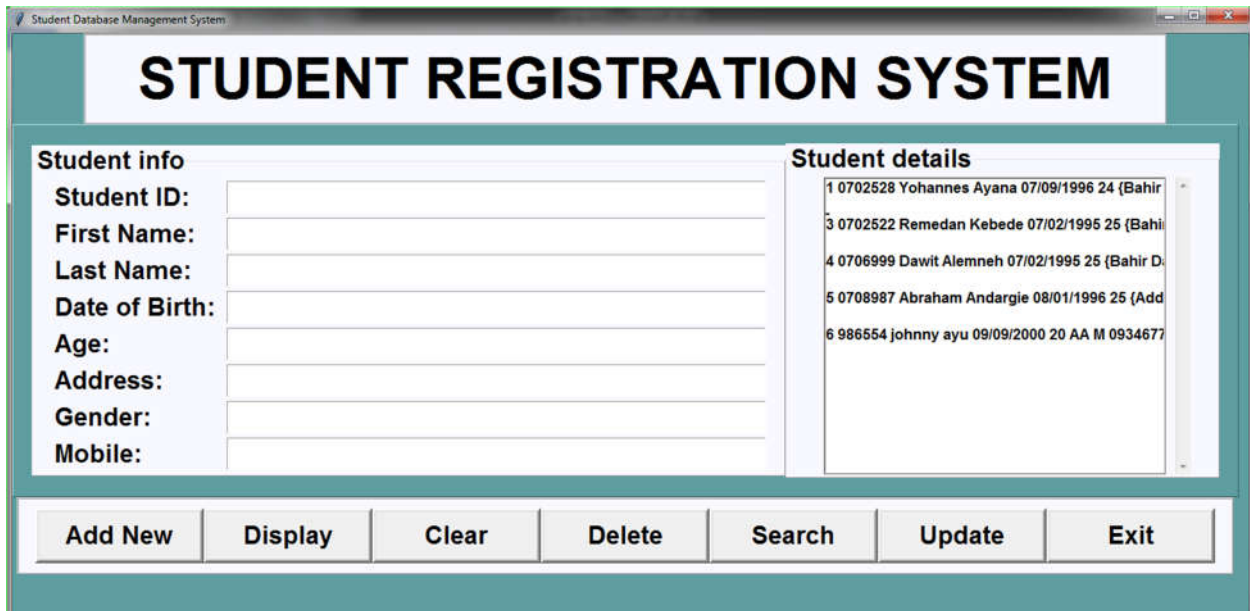
2 070233 Matthias Amare 01/07/1996 24 (Bahir Da

Add New Display Clear Delete Search Update Exit

Fig showing writing only the first name to get the whole information after clicking“search”

Update

This feature is crucial when we need editing. After we faced some errors may be due to spelling or any other misinformation so that we need editing updating is important. After we edit our data we should press update so that the full system will be updated and edited then.

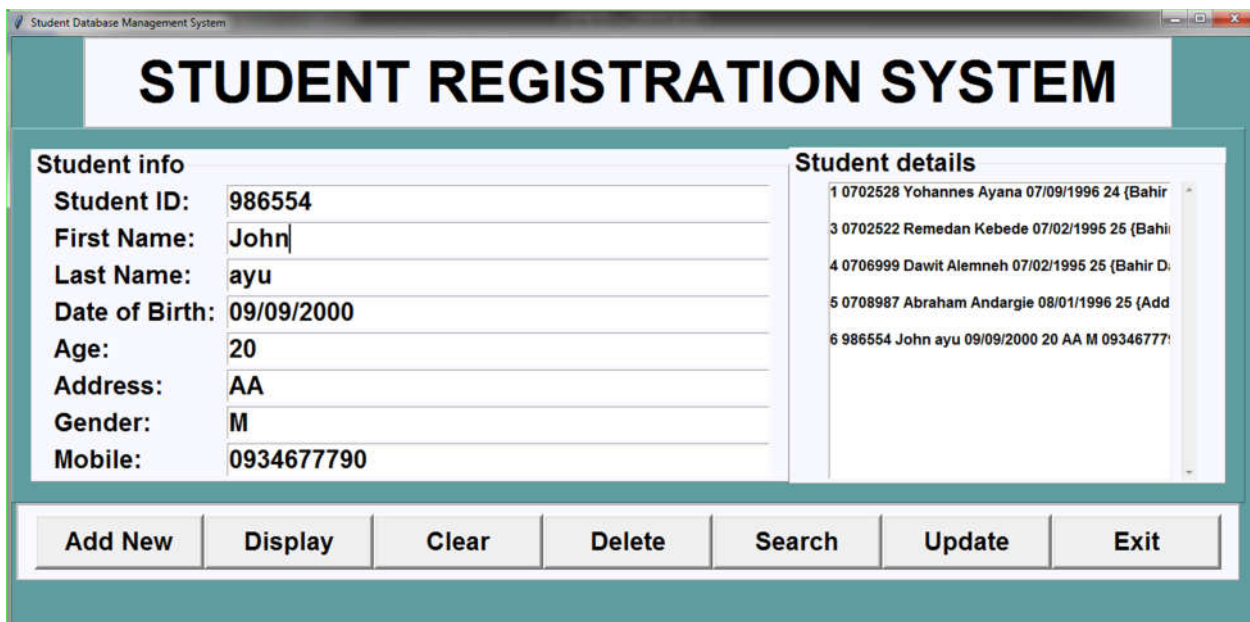


The screenshot shows the 'Student Registration System' window. The 'Student info' section has empty input fields for Student ID, First Name, Last Name, Date of Birth, Age, Address, Gender, and Mobile. The 'Student details' section displays a list of 6 students:

ID	Name	Date of Birth	Address
1 0702528	Yohannes Ayana	07/09/1996	24 (Bahir
3 0702522	Remedan Kebede	07/02/1995	25 (Bahir
4 0706999	Dawit Alemneh	07/02/1995	25 (Bahir D.
5 0708987	Abraham Andargie	08/01/1996	25 (Add
6 986554	johnny ayu	09/09/2000	20 AA M 0934677

At the bottom, there are buttons for 'Add New', 'Display', 'Clear', 'Delete', 'Search', 'Update', and 'Exit'.

Fig showing information of 6 students before updating [note: 6th student named johnny but we expect John after editing (updating)]



The screenshot shows the 'Student Registration System' window after an update. The 'Student info' section is now filled with the details of the 6th student:

Field	Value
Student ID	986554
First Name	John
Last Name	ayu
Date of Birth	09/09/2000
Age	20
Address	AA
Gender	M
Mobile	0934677790

The 'Student details' section displays the same list of 6 students, but the 6th student's name is now 'John' instead of 'johnny':

ID	Name	Date of Birth	Address
1 0702528	Yohannes Ayana	07/09/1996	24 (Bahir
3 0702522	Remedan Kebede	07/02/1995	25 (Bahir
4 0706999	Dawit Alemneh	07/02/1995	25 (Bahir D.
5 0708987	Abraham Andargie	08/01/1996	25 (Add
6 986554	John ayu	09/09/2000	20 AA M 09346777

At the bottom, there are buttons for 'Add New', 'Display', 'Clear', 'Delete', 'Search', 'Update', and 'Exit'.

Fig After johnny is edited to John using update feature

Exit

This feature of the system enables the user to exit when s/he needs to close the system. By pressing yes a user can go out of the system

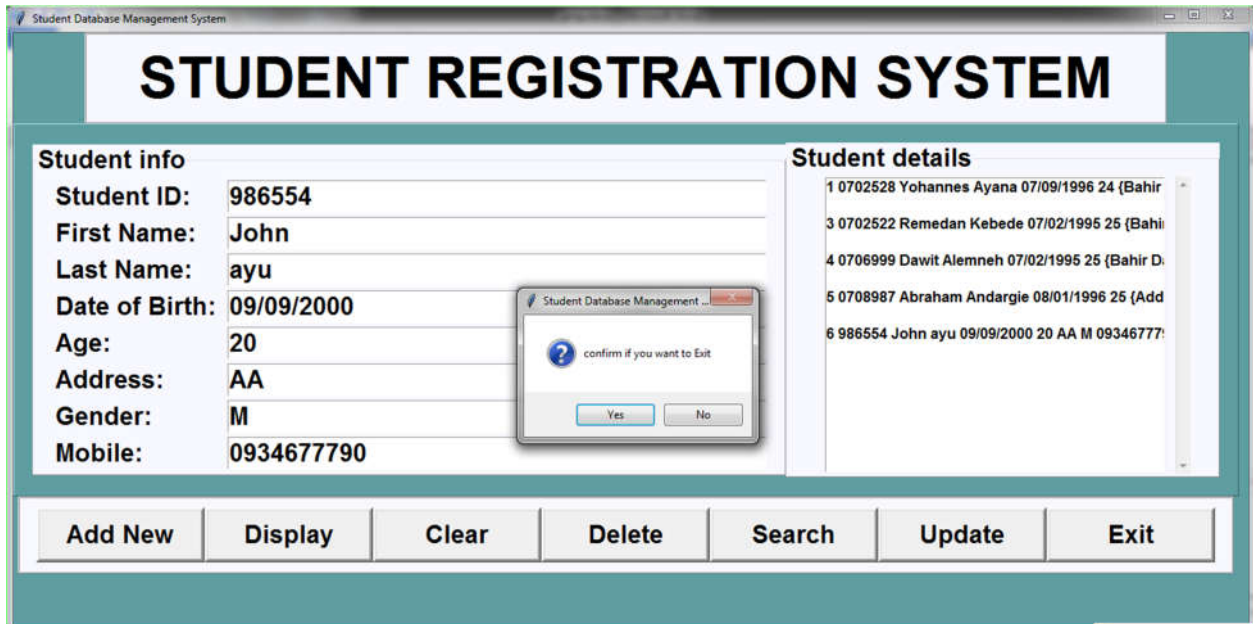


Fig showing “exit” option which has two options yes and no.

4. Conclusion

The student management system is crucial for educational institutions to make their work fast, easy and convenient. This student management system has features to save the new data and display it too. This system is also able to cancel and delete as well update the data stored inside. The search button enables the user to search by only give a certain piece of information to the database and it has also exit button to go out of the system safely this recording and management system can re editable so that the contents like Id, name, address, department etc. will be added as we like in the situations.

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Price of the system= I need clarification!