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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.

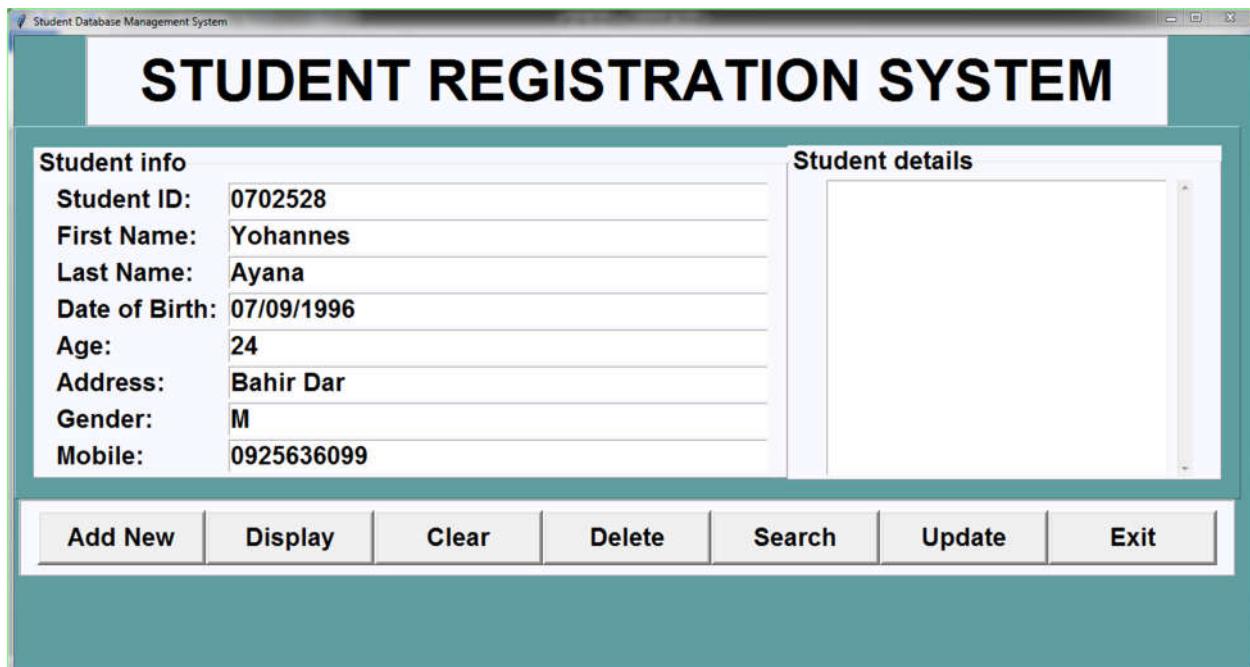


Fig information of a student before added to the database

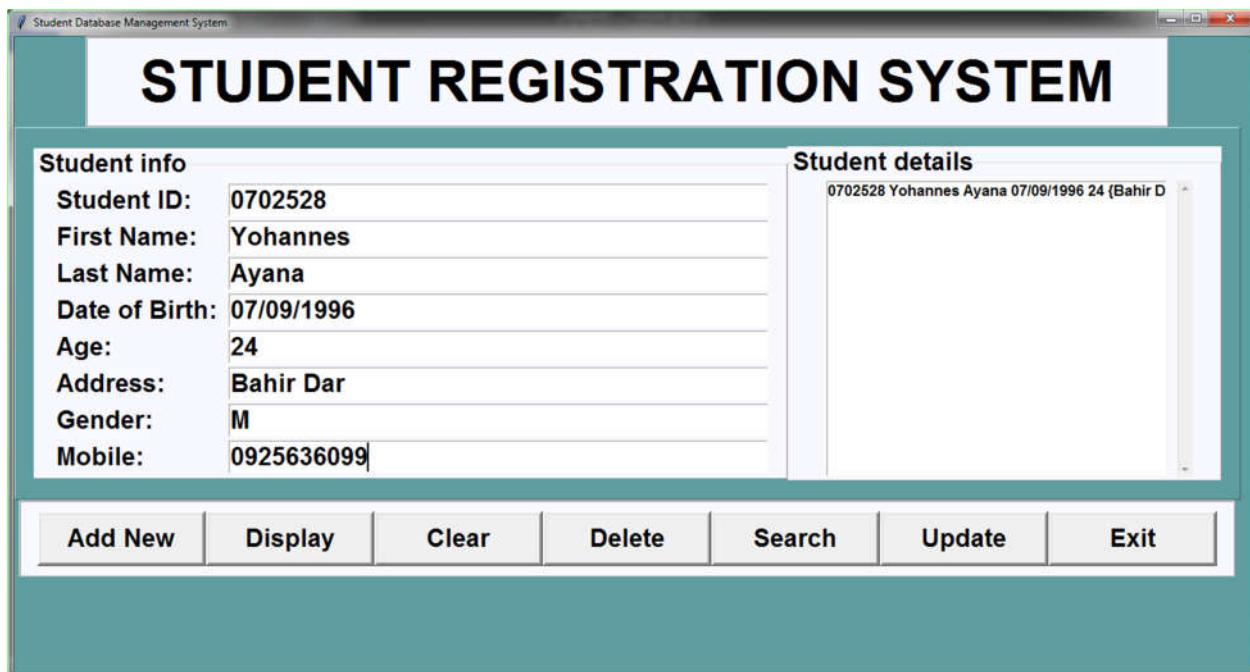


Fig information of a student after “Add New” button is clicked

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.

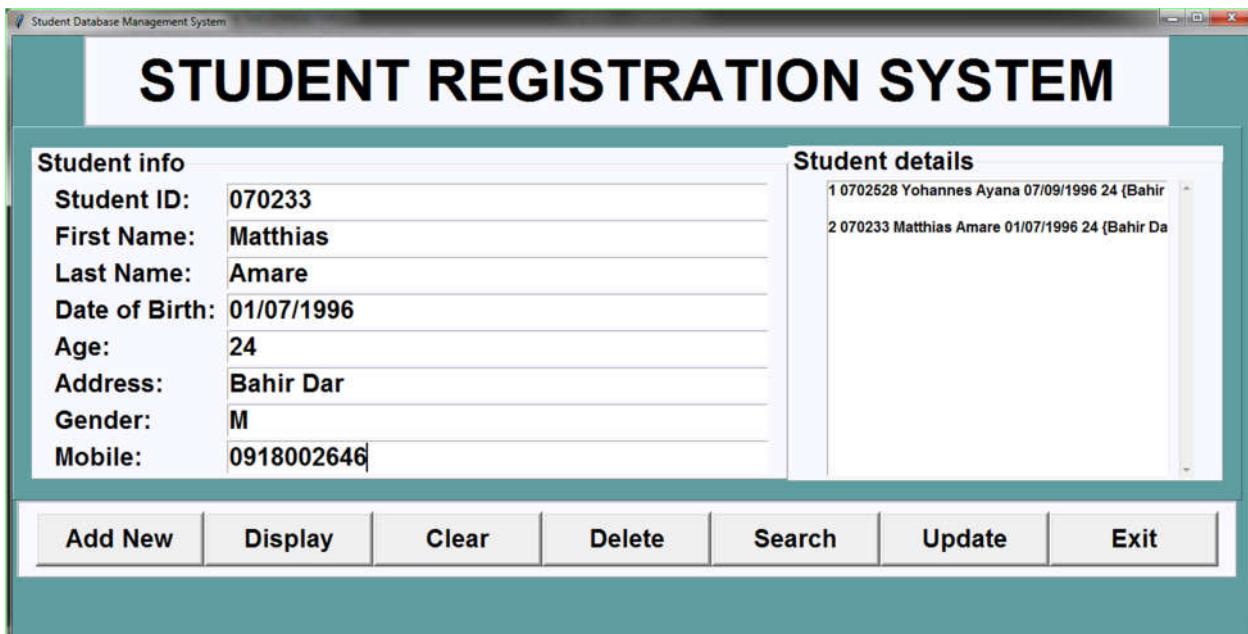


Fig Showing information displayed after being added to the database

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.

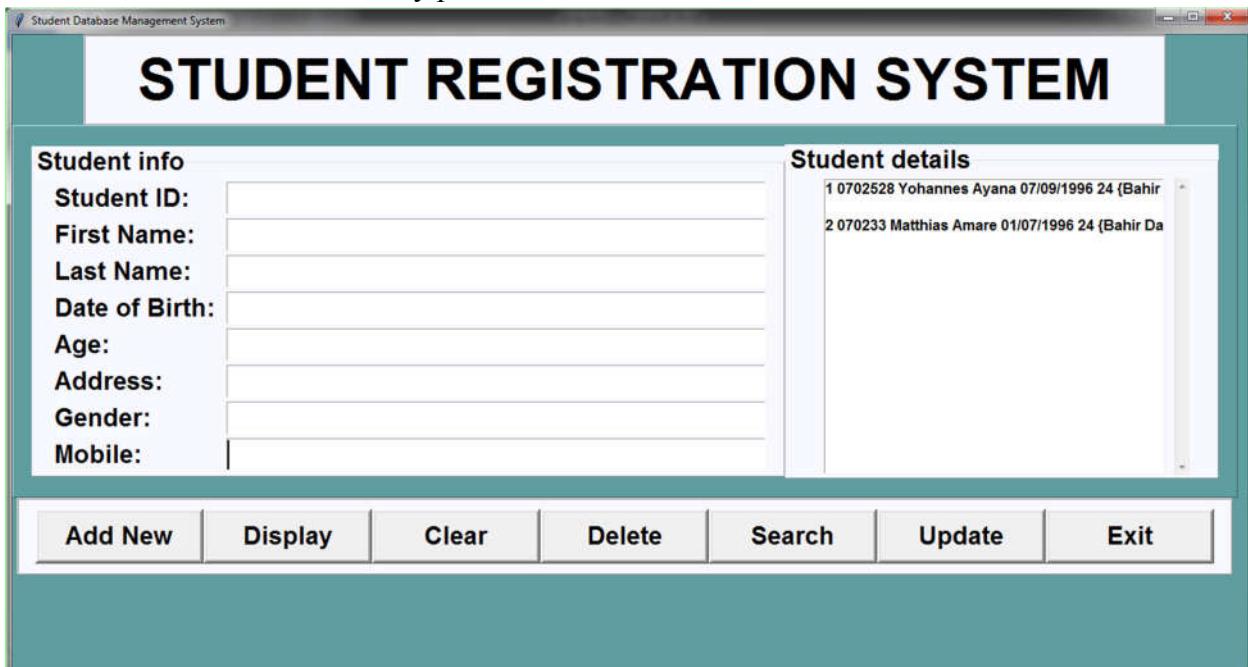


Fig. clear button is clicked so that the writing area is cleaned and being ready for next data to be filled.

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 want anymore, we should update it by clicking the “Update” button

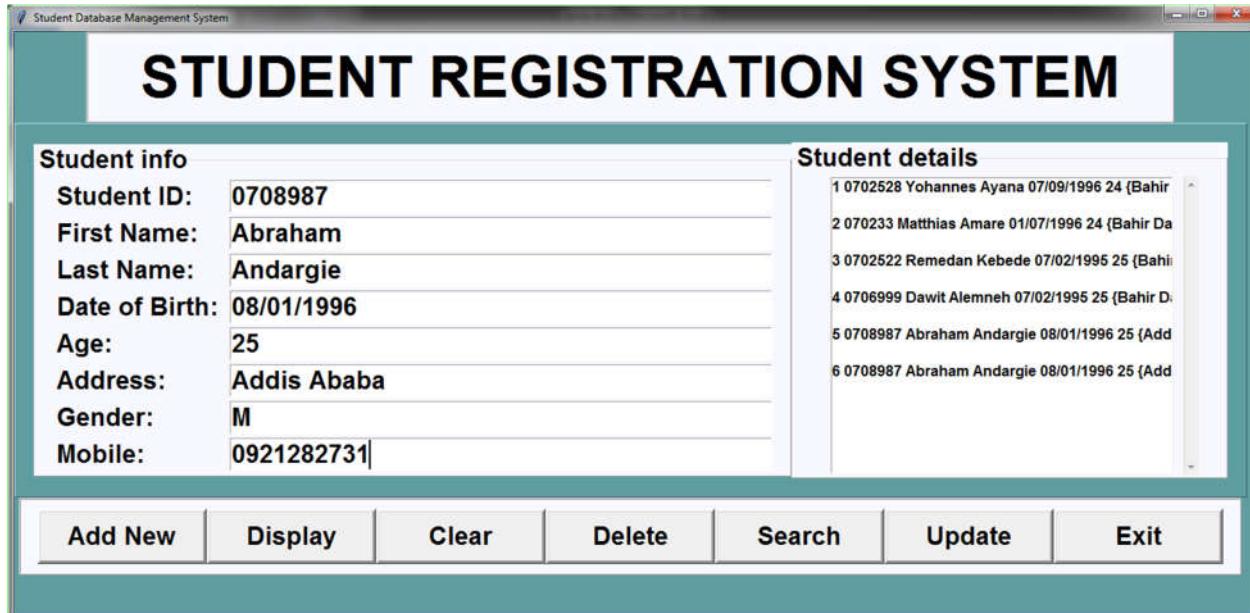


Fig showing the 5th and 6th information are identically and repeated

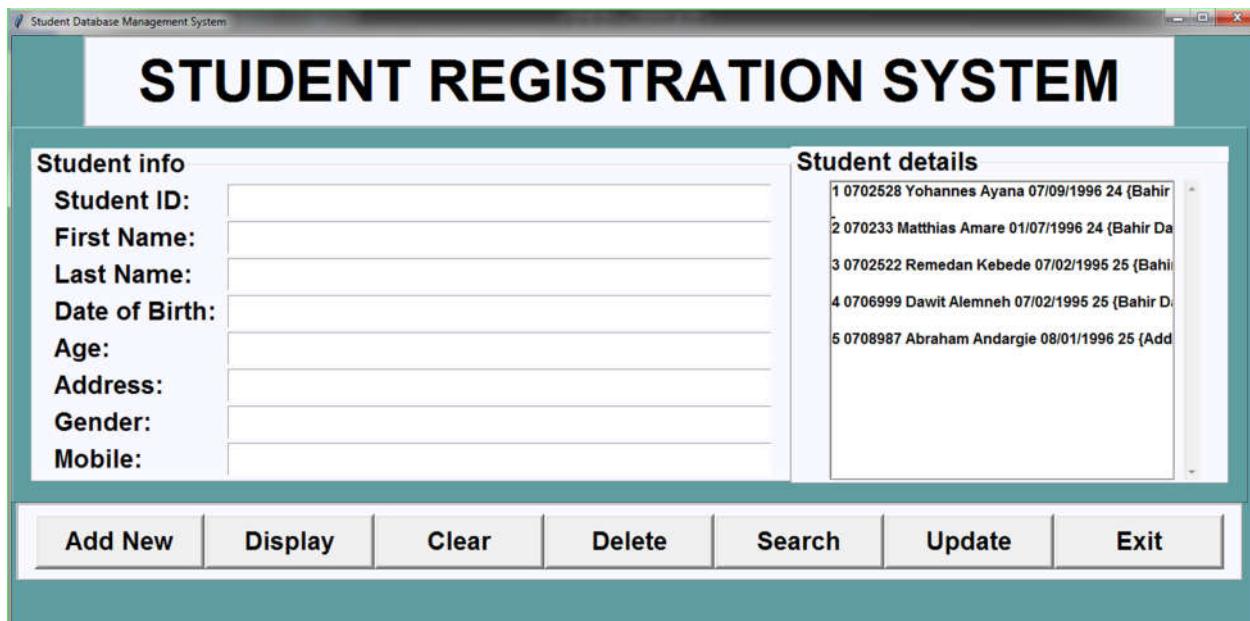
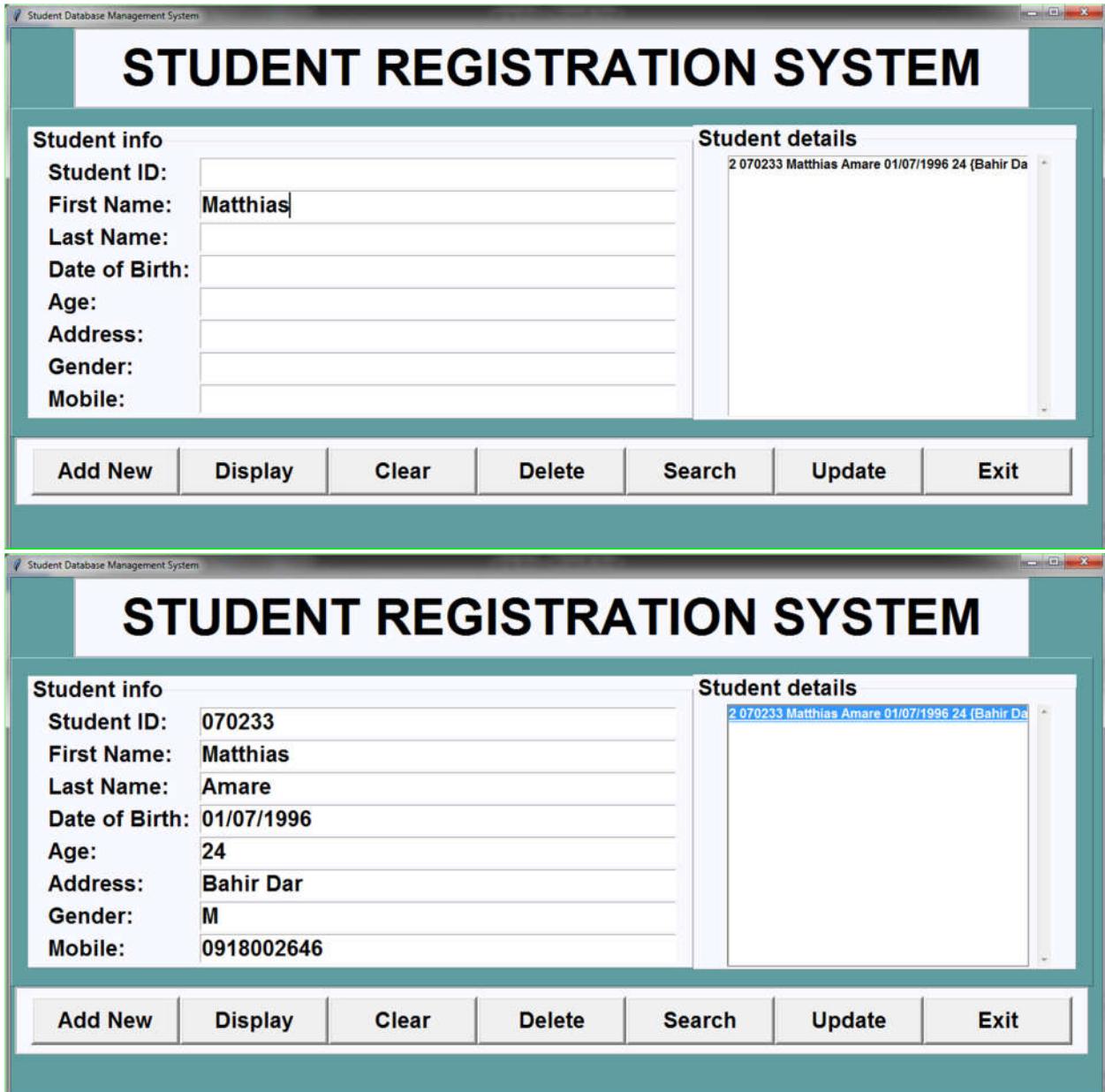


Fig After deleting one of the repeated files.

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.



The figure consists of two screenshots of a Windows application titled "STUDENT REGISTRATION SYSTEM".

Screenshot 1 (Top): The "Student info" panel on the left shows fields for Student ID, First Name, Last Name, Date of Birth, Age, Address, Gender, and Mobile. The "First Name" field contains "Matthias". The "Student details" panel on the right shows a list with one item: "2 070233 Matthias Amare 01/07/1996 24 (Bahir Da".

Student ID:	070233
First Name:	Matthias
Last Name:	
Date of Birth:	
Age:	
Address:	
Gender:	
Mobile:	

Screenshot 2 (Bottom): The "Student info" panel shows the same fields, but the "First Name" field now contains "Matthias". The "Student details" panel shows the same list item as the first screenshot.

Student ID:	070233
First Name:	Matthias
Last Name:	Amare
Date of Birth:	01/07/1996
Age:	24
Address:	Bahir Dar
Gender:	M
Mobile:	0918002646

Both screenshots show a menu bar with "Add New", "Display", "Clear", "Delete", "Search", "Update", and "Exit" buttons.

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.

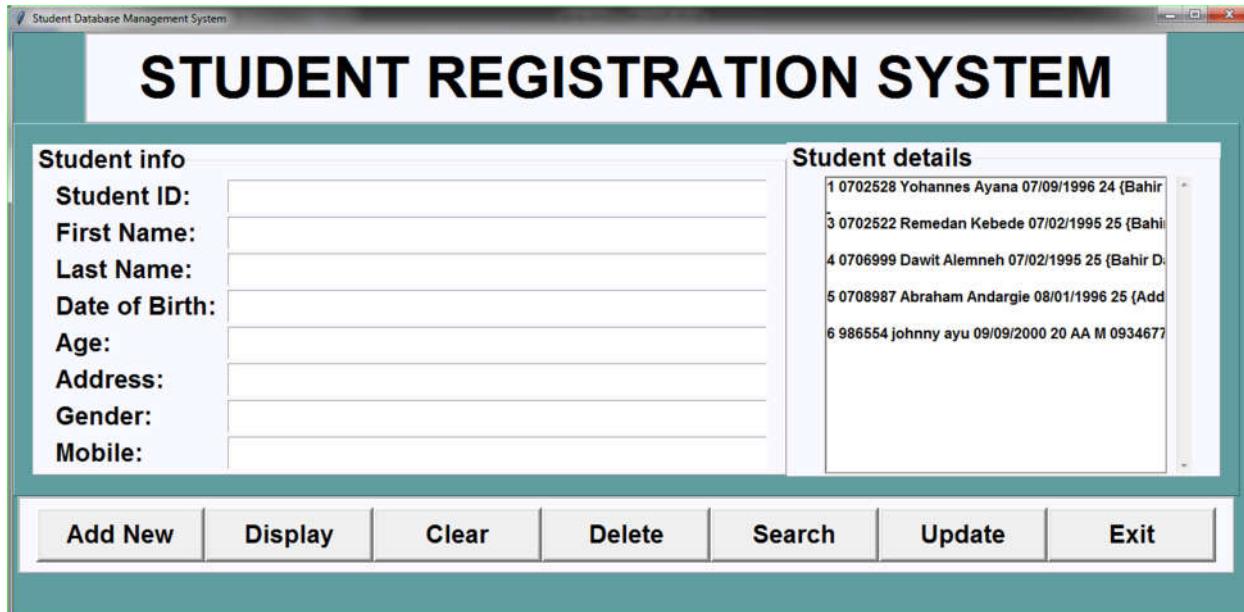


Fig showing information of 6 students before updating [note:6th student named johnny but we expect John after editing(updating)]

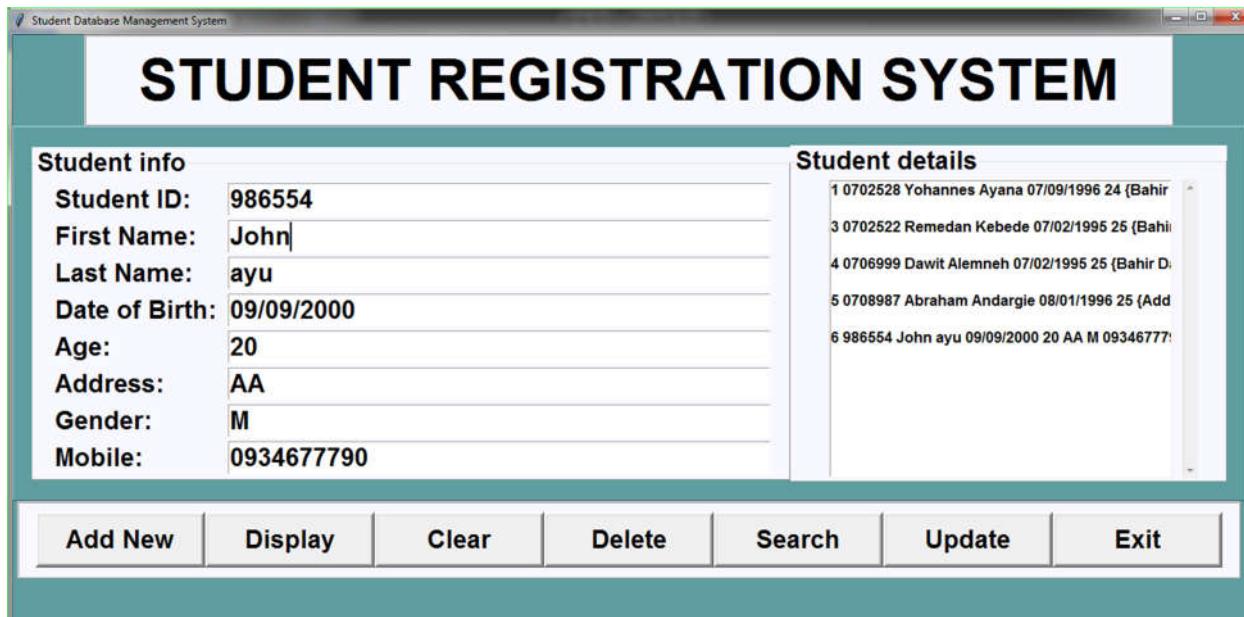


Fig After johnny is edited to John using update feature

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

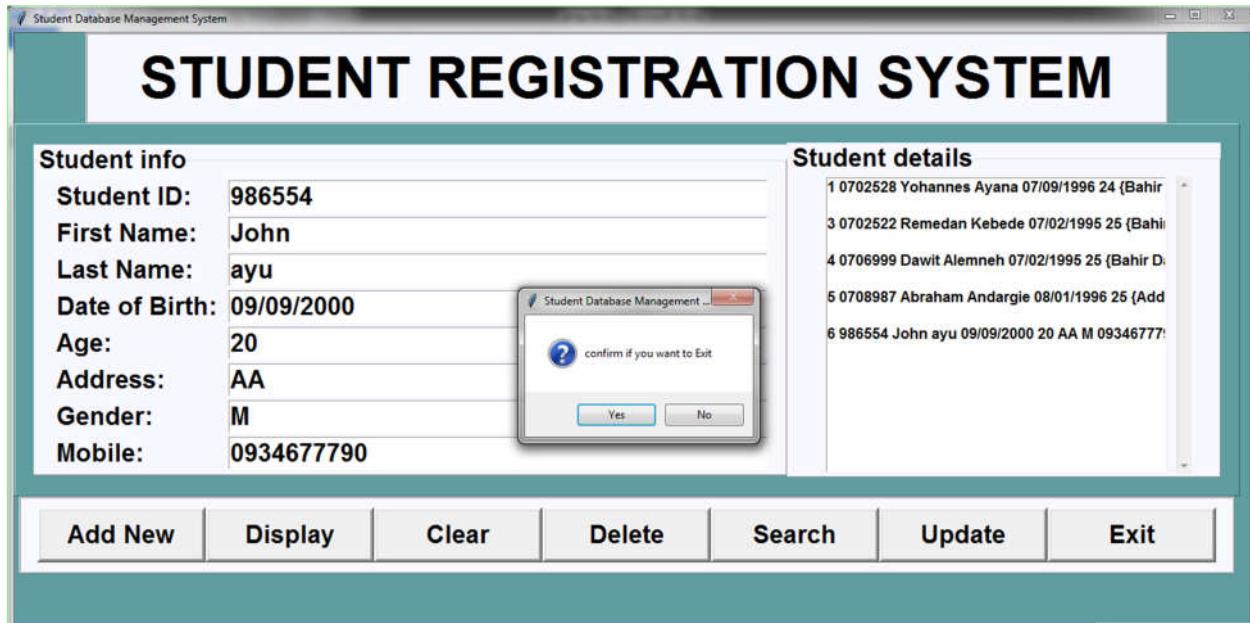


Fig showing “exit” option which has two options yes and no.

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 be 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!