

SOFTWARE DEVELOPMENT II



Project Presentation on –

Student Information Management System (SIMS)

Using C#



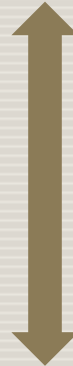
Bangladesh University of Business And Technology (BUBT)



Project “SIMS”

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PRESENTATION OUTLINE



- ❑ Introduction
- ❑ Motivation
- ❑ Proposed System
- ❑ E-R Diagram
- ❑ User Interface (UI)
- ❑ System Diagram
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Introduction



Student Information Management System is basically a idea of storing information of students and show or print the data grid according to the given command. Project “SIMS” is able to-

- Start with an user login from and proceed to next.
- Record student information individually.
- Update the student database.
- Show the statistical information from database.
- Generate student information in data-grid accordingly.

Motivation



The objectives of this project are :

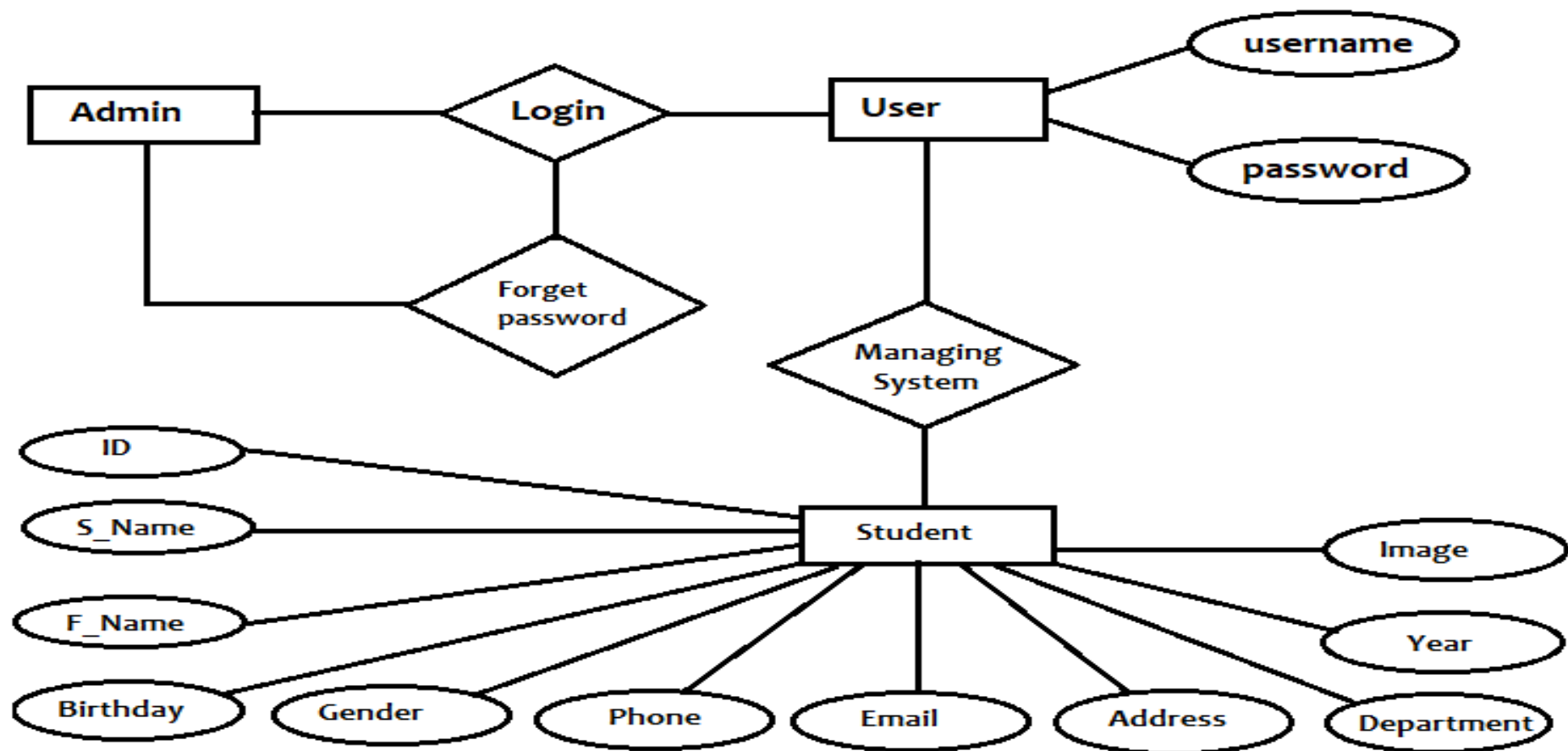
- To design a system that can be handled as student information storage.
- To design a system that can keep and track of students particularly.
- To design system that is much better than manual data recording system.
- To design system that is easy to view and find student information accordingly.

Proposed System



- ✓ Ensure data accuracy and data security.
- ✓ Minimize manual data entry into database.
- ✓ Greater efficiency and faster operation.
- ✓ User friendly and interactive.
- ✓ Better “FUNCTIONAL” service.

E-R Diagram



User Interface (UI)



User Menu and Forget password

This is the first form to enter the manager applications, which handles a verified user.

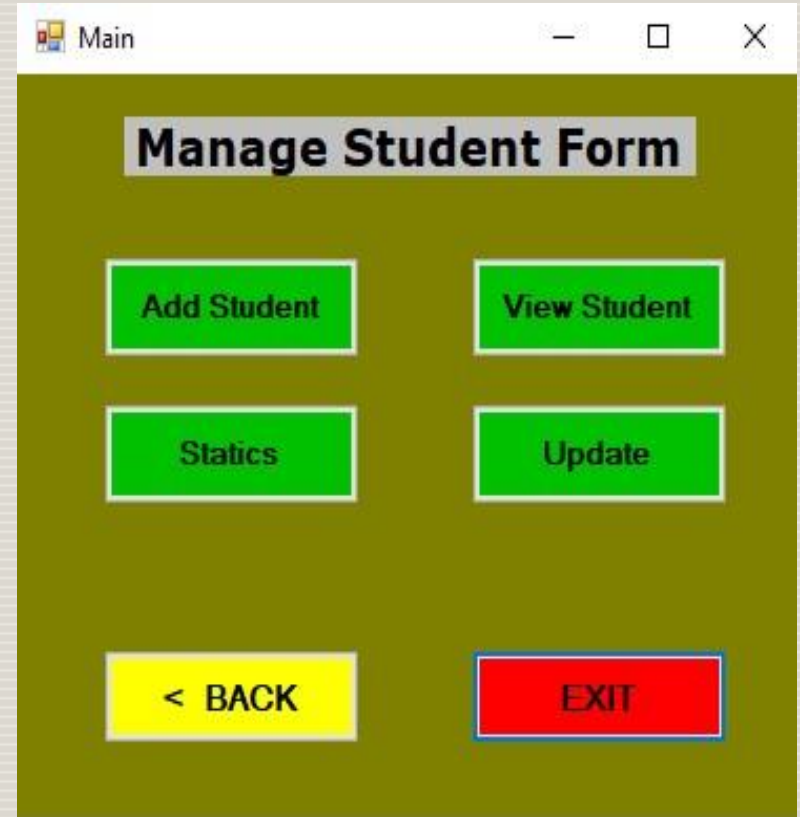
The diagram illustrates the user interface flow between two forms:

- Login Form:** Titled "Login", it features a "User Menu" section with a user icon and a key. It includes input fields for "User Name" and "Password". At the bottom, there are three buttons: "EXIT" (red), "Forget Password" (blue), and "LOGIN" (green). The "Forget Password" button is highlighted with a red arrow pointing to the "ForgetPass" form.
- ForgetPass Form:** Titled "ForgetPass", it features a "Reset Password" section. It includes input fields for "User Name" and "New Password". At the bottom, there are two buttons: "Close" (red) and "UPDATE" (green). A red arrow points from the "UPDATE" button back to the "LOGIN" button in the "Login" form.

Main Menu Form of an User

This is the main menu form to manage student data with database connection. It includes 4 sections –

1. Add Student
2. View Student
3. Statics
4. Update



Add Student Form

This is the student form where user can input all the necessary information in the database through this form and make useful later on.

Add_Student

Student Bio

Student ID

Student Name

Father's Name

Birth Date

18/02/2019

Gender

☐ Male ☐ Female

Photo Identity

Upload an image of Student

Maximum "140x140" pixels

Choose File

Academic Info

Department

Year

Contact Info

Phone

E-Mail

Address

Q Refresh

Update

< Back

Save

View Student in Grid-View




This is the form where user can see or show the student information in grid-view according to given command, such as-

Department selection, Year selection, or just randomly put an ID.

View Student

View Student

Department: CSE Year: Student ID:

	ID	Student_Name	Father_Name	Birthday	Gender	Phone	Email	Address	Department	Year	Image
▶	245	Tonmoy Lame	Sohel Ahmed	25/02/1995	Male	1234567890	tonmoygd12...	Adabor, Dha...	CSE	4th	
	252	Tamim	Sharafat Ullah	15/02/2019	Male	1234567890	asmtamim19@	Savar, Dhaka	CSE	3rd	
*											

< Back

Statistical Information

This is the form where user can count the information of student in various statistical value from stored database. Such as, total student count, department wise count, year wise count, total male and female count etc.

Statics

Student in Total

Total Student		2
Department	CSE	2
Year	3rd	1

Male Student

Male Total

2

Female Student

Female Total

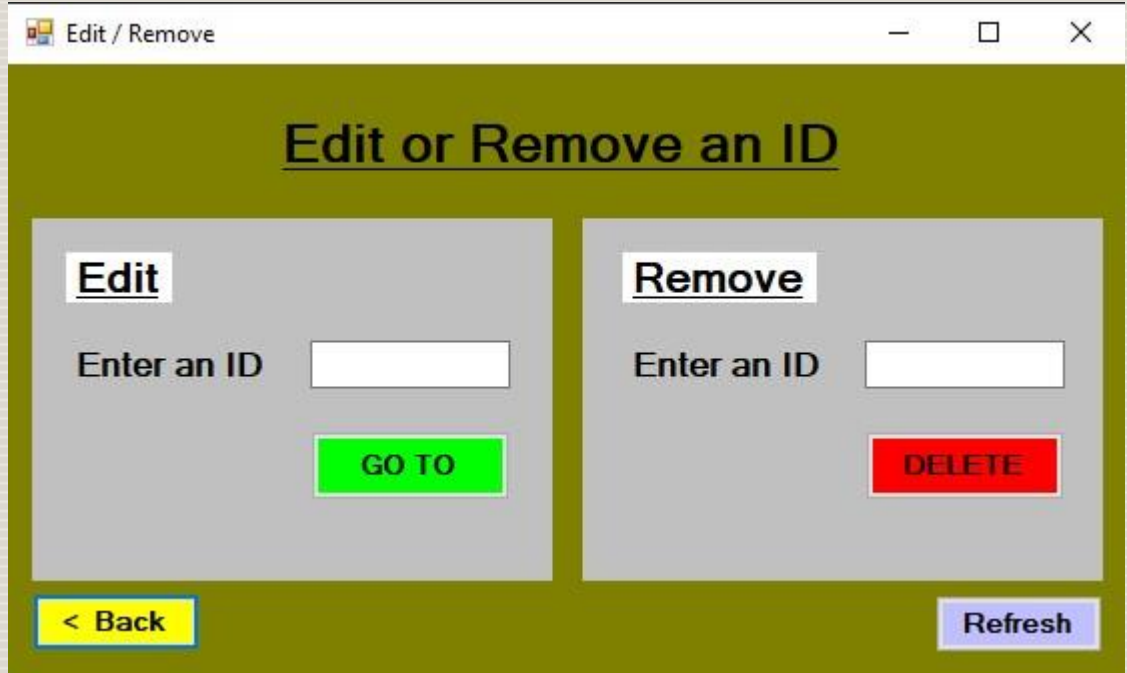
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Update Student Database

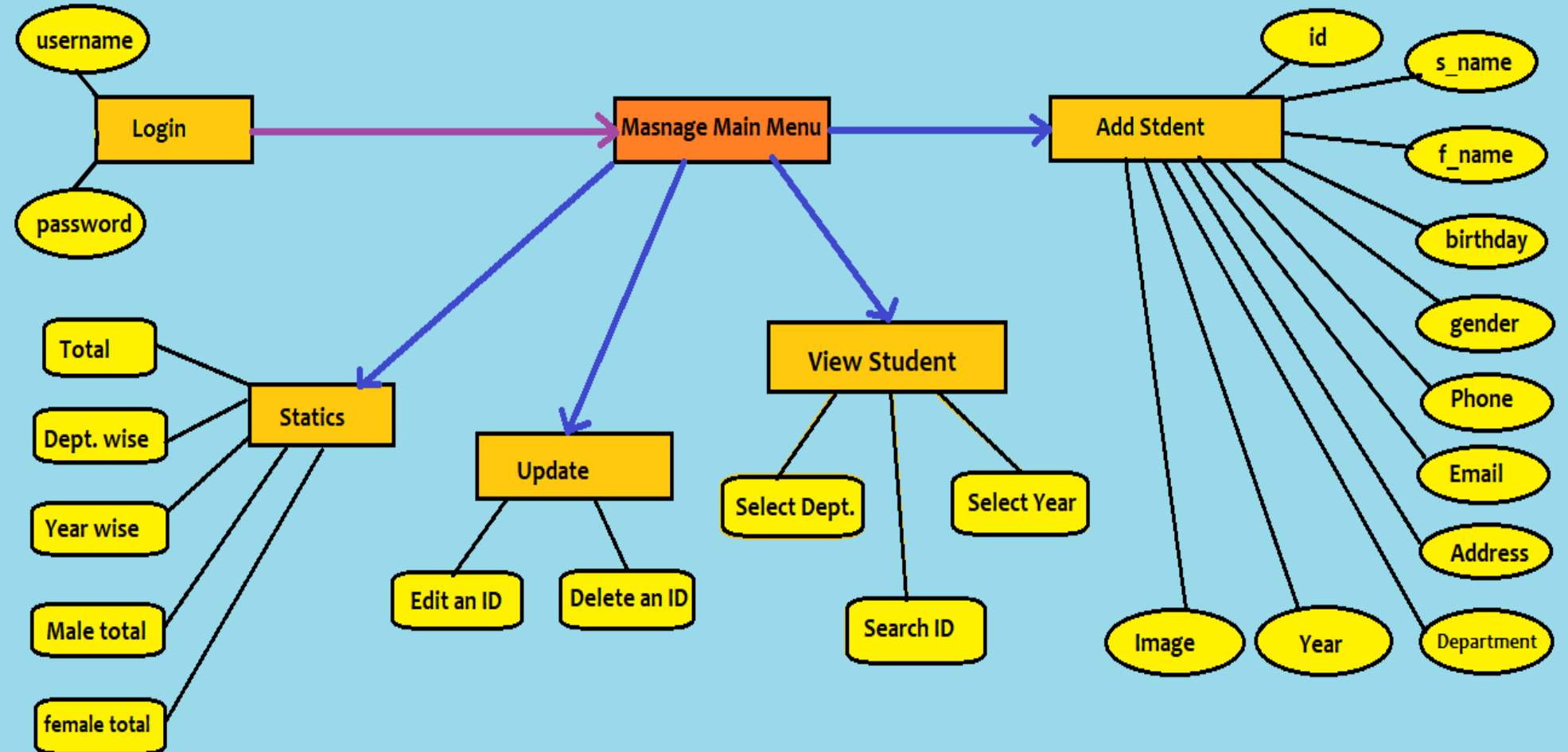
This is the form where user can update a student info in 2 ways.

User can edit the data he or she provided and user can delete an entered data from database through the delete button.



The screenshot shows a web application window titled "Edit / Remove". The window has a title bar with standard minimize, maximize, and close buttons. The main content area has a dark olive green background. At the top center, the text "Edit or Remove an ID" is displayed in a large, bold, black font. Below this, there are two side-by-side panels with a light gray background. The left panel is titled "Edit" and contains the text "Enter an ID" followed by a white text input field. Below the input field is a bright green button labeled "GO TO". The right panel is titled "Remove" and contains the text "Enter an ID" followed by a white text input field. Below the input field is a red button labeled "DELETE". At the bottom of the window, there are two buttons: a yellow button labeled "< Back" on the left and a light blue button labeled "Refresh" on the right.

System Diagram



PROJECT VIEW

Limitation



- ❖ Platform depended (windows- visual studio).
- ❖ No public view option.
- ❖ Limited features.
- ❖ Time delay.

Future Plan



- Update the graphics and user-interface.
- Notifications system.
- Advance data record systems.
- Expand the system as an institute's information manager.
- Enable a public view options.

Thank
You.