

Software Development ii (CSE 200) - Student Management System

Project Report

- Submitted in Partial Fulfillment of the requirements for the Award of the Degree of BSc in Computer Science And Engineering

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DECLARATION OF AUTHORSHIP

We declare that this project entitled "Student Management System" and the works presented in it are our own. We confirm that:

- This work was done wholly or mainly while in candidature for a B.Sc. Engineering in CSE degree at this University.
- Where any part of this software development project has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.
- Where we have consulted the published work of others, this is always clearly attributed.
- Where we have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely our own work.
- We have acknowledged all main sources of help.
- Where the thesis is based on work done by ourselves jointly with others, we have made clear exactly what was done by others and what we have contributed ourselves.

CERTIFICATE

This is to certify that the project entitled, "Student Management System" and submitted by,

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In partial fulfillment of the requirements of embodies the work done by them under my supervisor,

Amir-Ul Haque Bhuiyan

Assistant Professor

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APPROVAL

This project "Student Management System" Submitted by Khan Md Sadbin Rifat (ID - 19203103019); Sk. Araf Ahmed (ID - 19203103024); Mahmudul Hasan (ID - 19203103037), Badhan Chandra Das (ID - 19203103038), Abu Talha Shah(ID - 19203103029), Tallha Mausm (ID - 19203103020) Department of Computer Science and Engineering (CSE), Bangladesh University of Business and Technology (BUBT) under the supervision of Amir-UI Haque Bhuiyan; Assistant Professor, Department of Computer Science and Engineering has been accepted as satisfactory for the partial fulfillment of the requirement for the degree of Bachelor of Science (B.Sc. Eng.) in Computer Science and Engineering and approved as to its style and contents.

Supervisor

Amir-UI Haque Bhuiyan

Assistant Professor(Dept. of CSE), BUBT

ACKNOWLEDGEMENT

Our main focus is to design a unique Student Management system System that will improve Data Management in Institutes experience for Students. The system is based on JAVA and MySQL. This project helps us a lot to learn java properly. We use databases for the first time in our project. That was quite interesting for us. So, in future we will do much better projects by adding databases in our projects.

Again, one more challenging problem is about our system hardware. We will need a good requirement in the hardware section. Otherwise we will feel lag issues and the development process will hamper.

CHAPTER 1

INTRODUCTION

1.1 ABOUT PROJECT

The project School Management System includes registration of students, storing their details into the system. The software has the facility to give a unique id for every student and stores the details of every student automatically. It includes a search facility to know the current status of students.

Here the data can be retrieved easily. The interface is very user-friendly. The data is well protected for personal use and makes the data processing very fast.

The School Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to schools.

The School Management System is designed for multispeciality schools, to cover a wide range of school administration and management processes. It is an integrated end-to-end School Management System that provides relevant information across the school to support effective decision making for student care, school administration, in a seamless flow.

School Management System is a software product suite designed to improve the quality and management of school management in the areas of clinical process analysis and activity-based costing.

1.2 PROBLEM STATEMENT

Using a manual system to manage the students which records all information and in the book or paper was causing the job of the teachers to become more and more troublesome. The record has a possibility of missing or destroyed in any accident. Now the school can use the computer to manage the student information.

1.3 OBJECTIVES

- Define school
- Recording information about the students that come
- Keeping information about various courses

These are the various jobs that need to be done in a school by the operational admin. All these works are done on paper.

1.4 MOTIVATION

The real motivation for the school management system project is to make all the management processes like students' registration, course etc. To find out the student's history, the user has to go through various registers. This results in wastage of time. So, by this system it will become easy to manage all processes. So now by taking the motivation of this scenario which was regularly done in schools we are designing this system which can be beneficial for the students and school staff. So, we'd like to possess this system which helps schools to do work fast and effectively.

CHAPTER 2

REQUIREMENT

2.1 SPECIFIC REQUIREMENT

External interface requirements

- User interfaces The software provides a good graphical interface for the front end which is self explanatory.

Hardware interfaces

- Memory minimum of 4GB RAM
- Hard disk of 30 GB
- Monitor
- Mouse
- Keyboard

Software interfaces

- Operating System Windows 10.
- Language JAVA
- MySQL

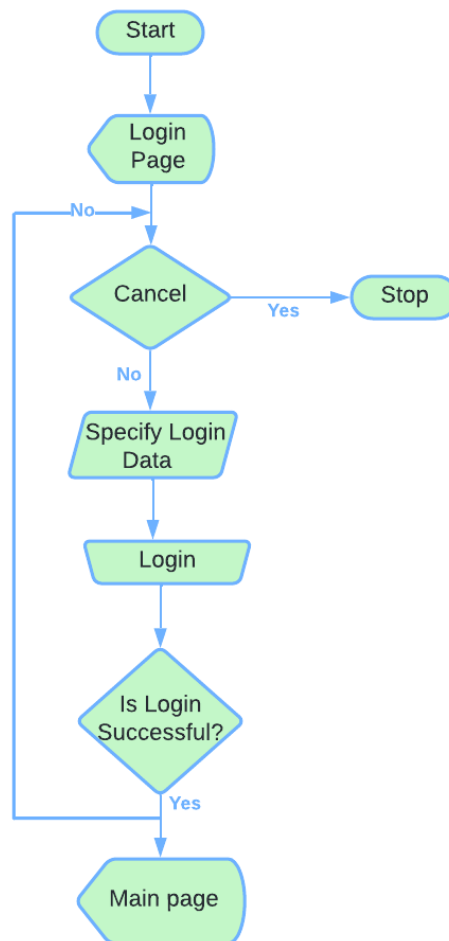
2.2 PROJECT TIMELINE

Planning	One Week
Define Requirements	One Week
Design and Prototyping	One Week
Software Development	Four Weeks
Testing Deployment	Two Weeks
Operations and Maintenance	One Week

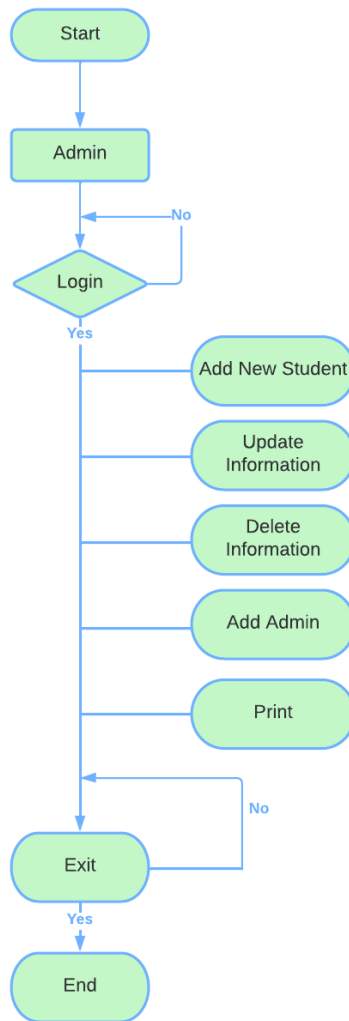
CHAPTER 3

DIAGRAM & FEATURES

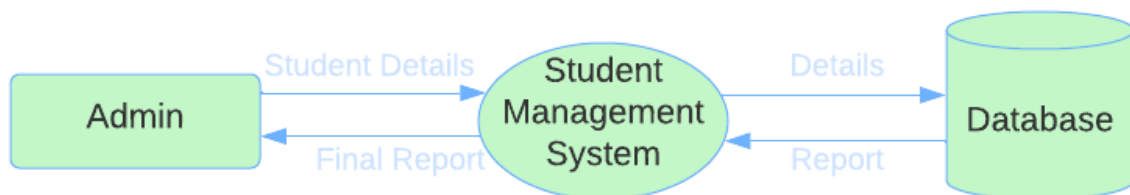
3.1 LOGIN DIAGRAMHOMEPAGE DIAGRAM



3.2 HOMEPAGE DIAGRAM



3.3 DATA FLOW DIAGRAM



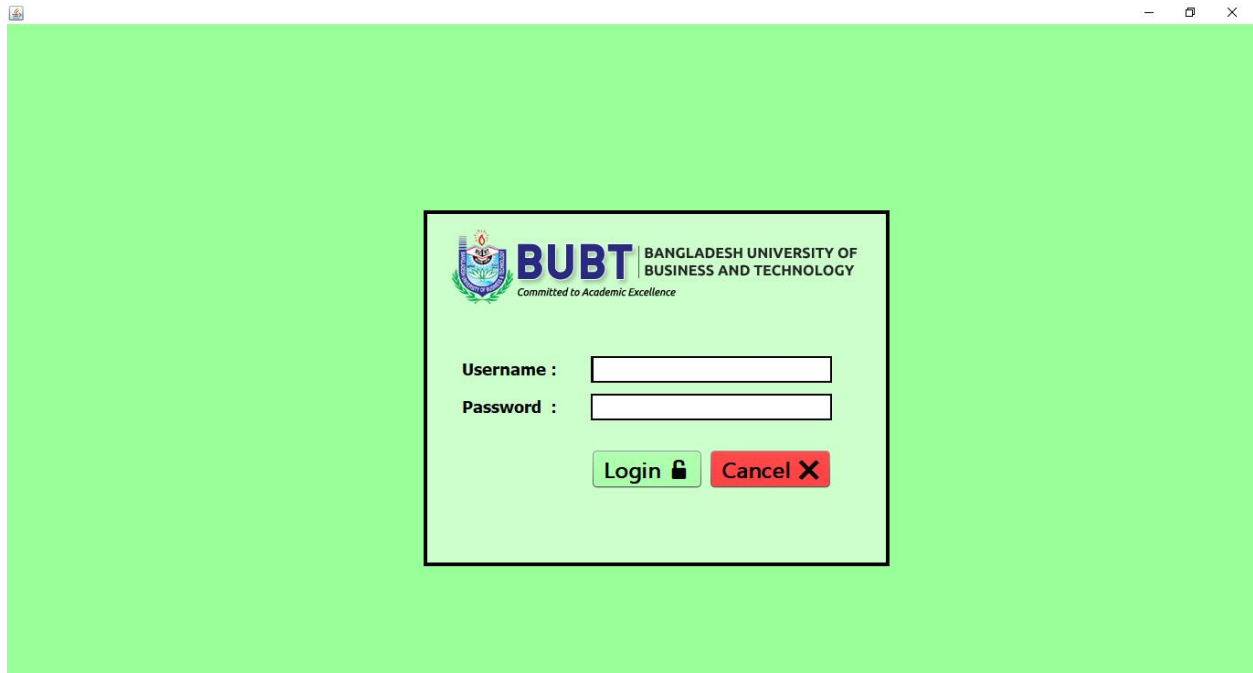
3.4 FEATURES

- Add Student Information – In this feature the user can add the information of the students.
- Update Student Information – In this feature the user can update the information of the students inside the database.
- Delete Student Information – In this feature the user can delete any information of the students inside the database.
- Print Student Information – In this feature the user can print the report or the record of the students inside the database.

CHAPTER 4

FIGURE

LOGIN PAGE




The screenshot shows a login window for BUBT (Bangladesh University of Business and Technology). The window has a light blue background. In the center, there is a white box containing the BUBT logo and name. Below the logo, there are two input fields for 'Username' and 'Password'. At the bottom of the box, there are two buttons: 'Login' (blue) and 'Cancel' (red with a white X).

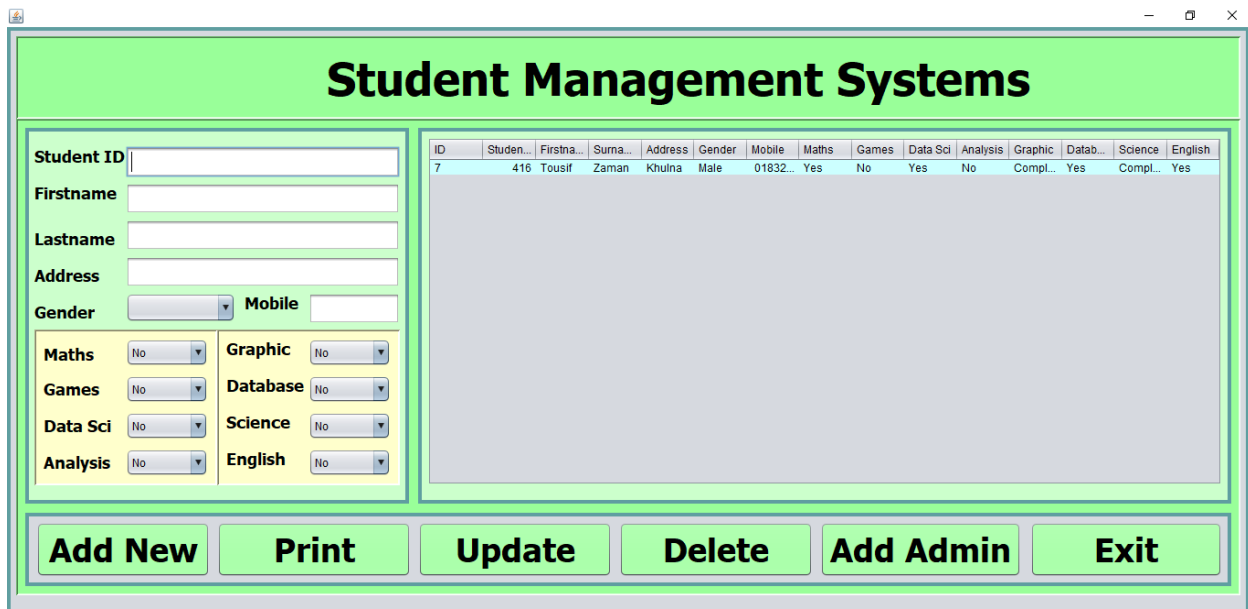
BUBT BANGLADESH UNIVERSITY OF BUSINESS AND TECHNOLOGY
Committed to Academic Excellence

Username :

Password :

Login  Cancel X

HOME PAGE



The screenshot shows the home page of the 'Student Management Systems'. The window has a light blue background. At the top, there is a title bar with the text 'Student Management Systems'. Below the title bar, there is a form with several input fields and buttons. On the left, there are input fields for 'Student ID', 'Firstname', 'Lastname', 'Address', 'Gender', and 'Mobile'. Below these, there are two columns of dropdown menus for 'Maths', 'Games', 'Data Sci', 'Analysis', 'Graphic', 'Database', 'Science', and 'English'. On the right, there is a table with student data. At the bottom, there are six buttons: 'Add New', 'Print', 'Update', 'Delete', 'Add Admin', and 'Exit'.

Student Management Systems

Student ID

Firstname

Lastname

Address

Gender Mobile

Maths Graphic

Games Database


Data Sci Science

Analysis English

ID	Studen...	Firstna...	Surna...	Address	Gender	Mobile	Maths	Games	Data Sci	Analysis	Graphic	Datab...	Science	English
7	416	Tousif	Zaman	Khulna	Male	01832...	Yes	No	Yes	No	Compl...	Yes	Compl...	Yes

Add New Print Update Delete Add Admin Exit

NEW ADMIN



Username

Password

Confirm Password

Add +

Cancel X

CONCLUSION

After completing this project, it will be helpful to maintain all datas of a school. And admins can show datas of their choice at any time.

REFERENCES

- [IT Source Code](#)
- [W3School](#)
- [Existek](#)
- [CodeAstro](#)

–Thank You–