A Project Report

On

University Management System



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Submitted To

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APPROVAL

The Project titled 'University Management System' has been submitted to the following respected members of the department of Computer Science and Engineering in partial fulfillment of the requirements for the degree of Bachelor of Computer Science and Engineering on December, 2019 by Md. Mahmudul Hasan Asif, Mitu Mony, Reaz Mahmud Jitu, Mashrur Arifin Mehedi and has been accepted as satisfactory.

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DECLARATION

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Signature & Date

ACKNOWLEDGMENTS

First of all want to convey my profound gratitude to almighty Allah for allowing me to bring this effort fruition.

I would like to express my gratitude to my supervisor **Sheikh Abujar Anik**, Senior Lecturer, Department of CSE, **Daffodil International University** for his constant guidance, support, encouragement, valuable inputs and suggestions on this amazing October of Project. Him guidance throughout my project work, helped me in exploring new ideas, learning new things and writing this Thesis.

Finally, I would to pay my deepest homage to my parents, whom I believe to be cardinal source of inspiration for all my achievements.

ABSTRACT

The purpose of this study was to develop a payroll management system to assist in the management of payroll which each the process of doing this job than earlier pen and paper based management. So we developed a web based application – 'Payroll Management System' for any Organization' using PHP & MYSQL serving this purpose.

This project is carried out as a partial fulfillment of the degree of BSc. Nowadays this kind of application is very essential for any small or medium sized organization. An Student, regardless of the number of workers they Result, must maintain all student facility digitally.

This application will help to calculate the Students' result and other relevant calculations automatically. This helps to administer of the financial record of Student' Registration, Teacher Registrations, course Details, Create Course choice.

The main exiting feature of our application is that it will calculate the monthly Student Registration automatically.

Finally, this system will help the management to watch the current Student & Teacher at any time. It will show individual and collection of facilities report of all Students. Using this application management can print the total slip one by one or print all of the slips with only one click of mouse.

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Chapter1: Introduction

1.1 Introduction

The name of the system is "university management system". As per the name it includes all the standard requirements for an academic purpose management system. This system handle all the information of the both students and teachers .It stores the students information with picture, the result of every student, the information of teachers, salary of teachers, the courses teacher wants to teach, all courses of different department can be stored into the system. It also allows its users to add, delete and update data from its database and also can search those data's on the database. For storing the data's into the database this system used the XAMPP MySQL database.

1.2 System requirements & Specification:

1.2.1 Minimum Hardware Configuration

- Microsoft Windows XP Professional SP3/Vista SP1/Windows 7 Professional:
- Processor: 800MHz Intel Pentium III or equivalent
- **Memory:** 512 MB
- **Disk space:** 750 MB of free disk space \square **Ubuntu 9.10:**
- Processor: 800MHz Intel Pentium III or equivalent
- **Memory:** 512 MB
- **Disk space:** 650 MB of free disk space

1.3 Recommended Hardware Configurations:

- Microsoft Windows XP Professional SP3/Vista SP1/Windows 7 Professional:
- **Processor:** Intel Core i5 or equivalent
- Memory: 2 GB (32-bit), 4 GB (64-bit) ☐ Disk space: 1.5 GB of free disk space ☐ Ubuntu 12.04:
- **Processor:**Intel Core i5 or equivalent
- **Memory:** 2 GB (32-bit), 4 GB (64-bit)
- **Disk space:** 1.5 GB of free disk space

1.4 Software Requirements:

- XAMPP 32 bit should be installed.
- Netbeans with jdk 8
- Chrome browser to access the database.

2.1 Use case diagram

Use case diagrams area unit thought of for top level demand analysis of a system. thus once the wants of a system area unit analyzed the functionalities area unit captured in use cases. Thus {we can |we will| we area unit able to} say that uses cases are nothing however the system functionalities written in AN organized manner.

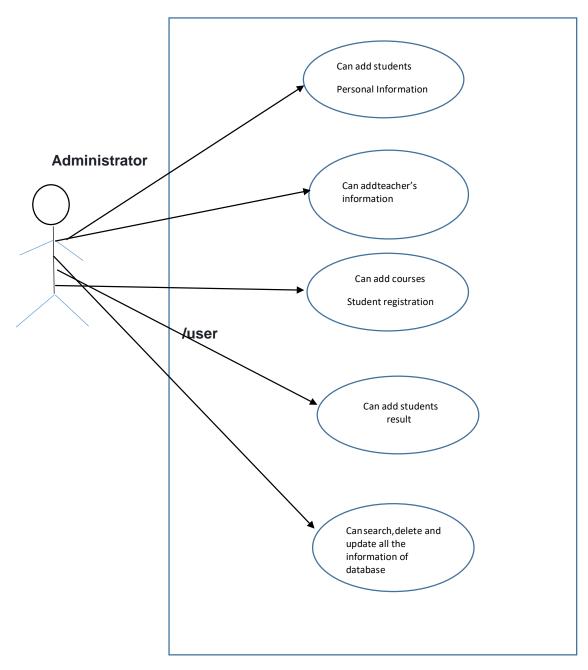


Figure 2.1: Use case Diagram

2.2 Sequence Diagram:

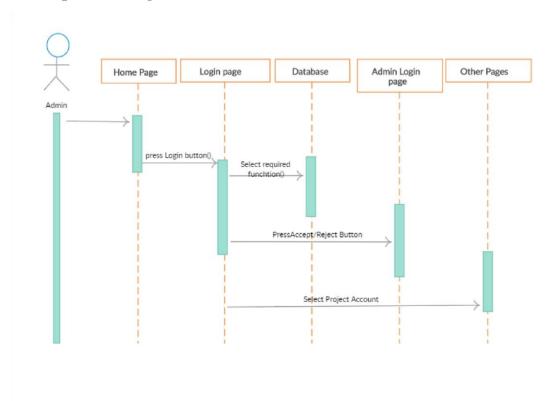


Figure 2.2 : Sequence Diagram

2.3 UML Diagram:

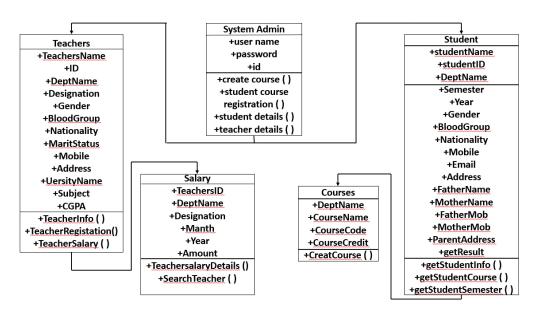


Figure 2.3: UML Diagram

Chapter 3: Design

3.1 Design

This project worked "University Management System" submitted by Being general-purpose means system can be used for all type of documents planning and creating your app using the Model View Control design.

3.1.1 Physical Design

3.1.2 Logical Design

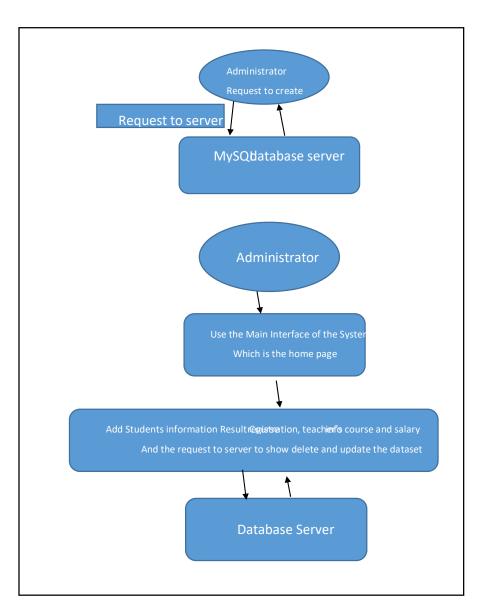


Figure 3.1.2 : Logical Design

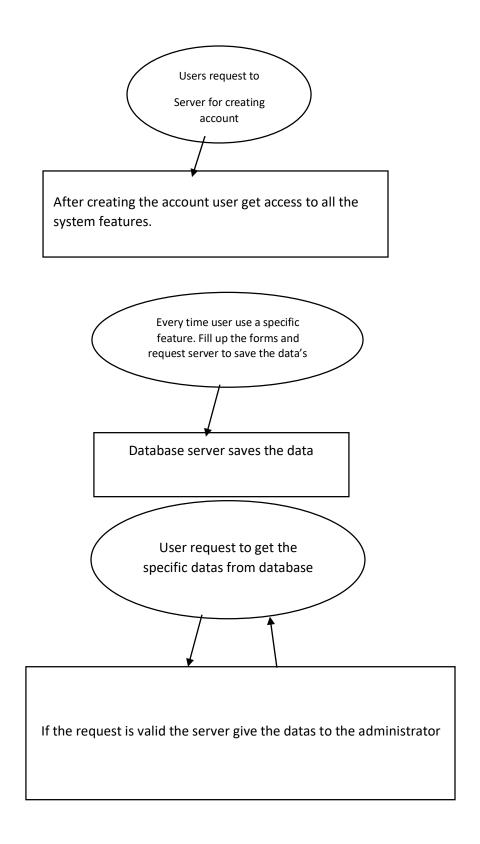


Figure 3.1.1: Logical Design

Chapter 4: Implementation

4.1 Implementation

The first task we did is to create the all the diagrams to create the system and then we started the design in netbeans using GUI drag and drop features. We used netbeans templates to design our system. And we started the coding part for each Graphical interface and elements.

- Tools We used in our system to design:
- Panel
- Button
- · Check Box
- Text Area
- Table
- Radio Button
- Combo Box
- · Text Field
- · Password Field
- Label
- Menu bar
- Menu
- Menu Item
- Separator

And the we started connect our user input to the Database server. Created the database first and the all the tables and columns required for our system.

4.2 Login Details:

Username	Password
whitehat	whitehat404

4.3. Activity Diagram:

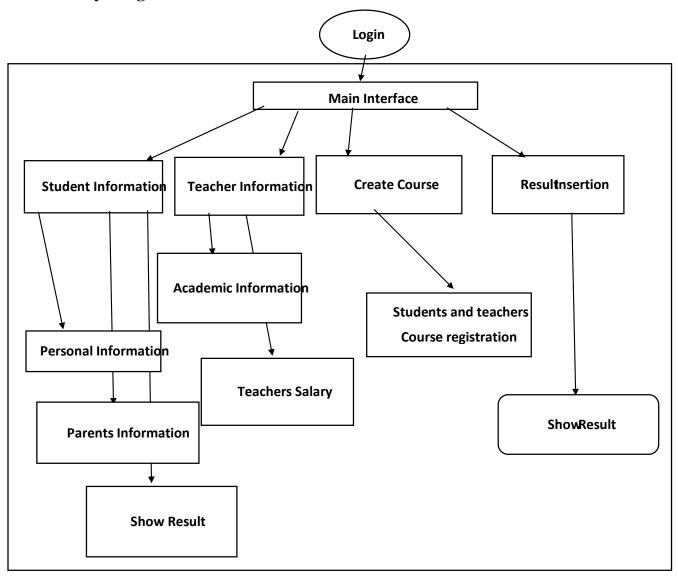


Figure 4.3 : Activity Diagram

4.4. Results from Testing:

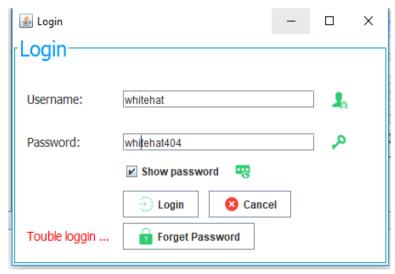


Figure 4.4: Results from Testing

4.5 Home Page:

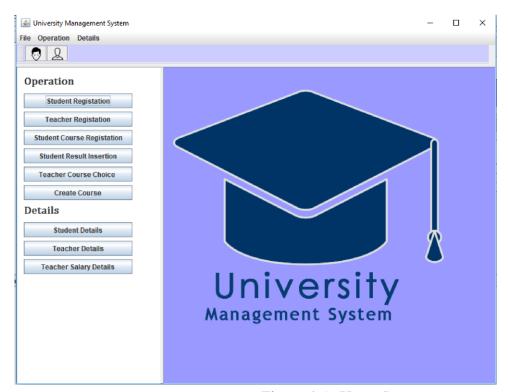


Figure 4.5 : Home Page

4.6 Student Information:

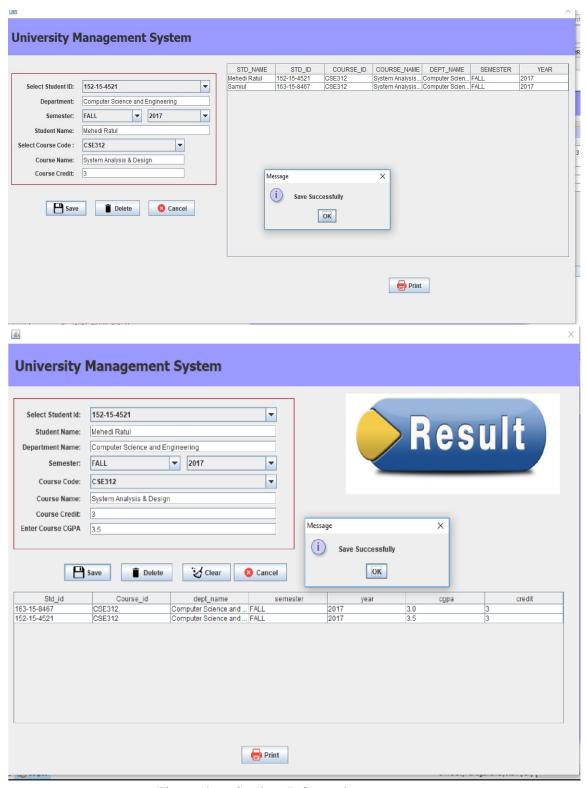


Figure 4.6: Student Information

4.7 Assign Course:

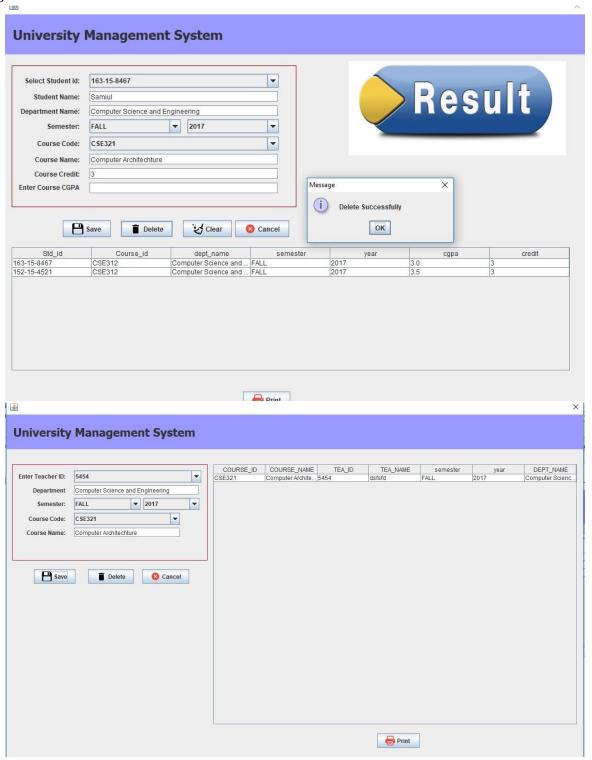


Figure 4.7: Assign Course

4.8 Department wise Result views:

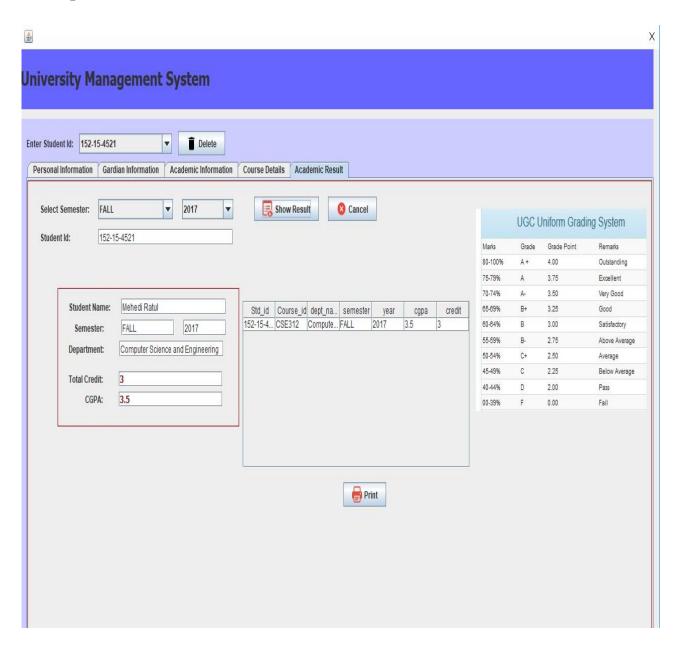


Figure 4.8: Department wise Result views

4.9 Recovery Password:

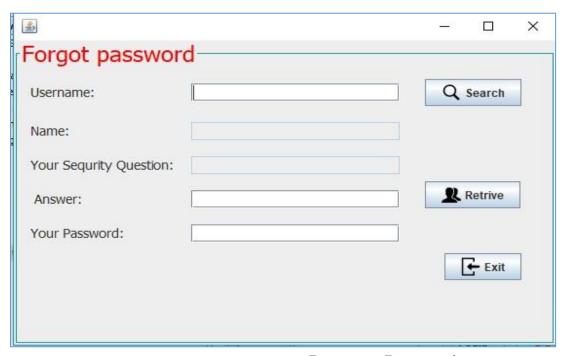


Figure 4.9: Recovery Password

4.10 Teacher salary:

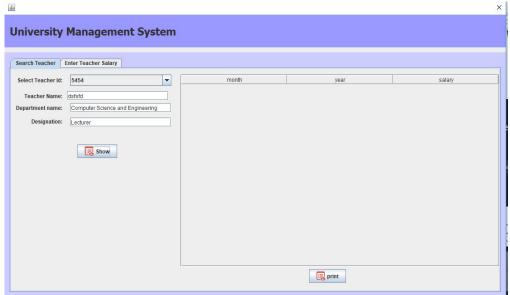


Figure 4.10: Teacher salary

Chapter 5: Conclusion and Future Work

5.1 Conclusion:

This was our first try to make this university management system therefore there are few lacings and there are much more features to add. So we will definitely try our best to improve this System to make more user friendly. Things we will implement next

- Staffs and Employees
- Student and teachers attendance
- Costs of University
- And more

5.2 Future Work

I also want to modify my application for the Future Work .I hope this work will help me in my future work.

- > The aim of this project is to manage each and every section. Such as every Student, Teacher and Staff.
- ➤ There will be a system for downloading Admission form For New Applicant.
- ➤ It will show every updated notice given by the university authorities.

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