**Online Student Management and Records System for Cavite State University in Imus, Cavite S.Y. 2020-2021**

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**INTRODUCTION**

In this 21'st century, all is about technology. The schools and education nowadays also already changed. Not only for University and secondary school, primary school also must have their own management system. But the current management system primary school is already defined as old generation management system and it already cannot satisfy the user needed.

Student Database System deals with all kind of student details by tracking all the details of a student from the day one to the end of his or her course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result; and all these are purposed for future references when interpreting an organization performance.

Management is a process of planning, decision making, organizing, leading, motivation and controlling the human resources, financial, physical, and information resources of an organization to reach its goals efficiently and effectively.

A management system is a set of policies, processes and procedures used by and organization to ensure that it can fulfill the tasks required to achieve its objectives. These objectives cover many aspects of the organization's operations (including financial success, safe operation, product quality, client relationships, legislative and regulatory conformance and worker management).

A system is a group of interacting or interrelated entities that form a unified whole. A system, surrounded and influenced by its environment, is described by its boundaries, structure and purpose and expressed in its functioning.

System software is a type of computer program that is designed to run a computer’s hardware and application programs. If we think of the computer system as a layered model, the system software is the interface between the hardware and user applications.

Record is a thing constituting a piece of evidence about the past, especially an account kept in writing or some other permanent form.

**STATEMENT OF THE PROBLEM**

The students are sometimes having a hard time tracing their activities such as assignments, seatwork, quizzes, exams and graded projects due to these weren't taken care or kept properly, discarded by mistake, burned, or flooded by water by many unfortunate things. Due to this they may not able to find a reference of their graded work to be submitted on their professor for their grades. “*How can students have a trace of their previous activities?”*

Checking the paper works of students individually can cause a lot of stress to a professor especially in the current generation as there were many sections they were teaching and for them to submit their works might consume a lot of time for the professor to finish it. “*How can the professors have a trace of their student’s individual activities for reference when grading?”*

Both students and professors need to have a trace to the time of the submitted works in order to verify their grades. It’s because sometimes the student doesn’t meet the time requirement in submitting their works, the professor on the other hand can accurately record the grades of the students that complies paper works in proper or late time. “*How do students and professors trace the time record of individual school activities?”*

**OBJECTIVES OF THE STUDY**

The general objective of the study was to develop an Online Student Management System

Specifically, the study aims to:

1. gather all the information needed to know the problems through the interview;
2. analyzing all the necessary requirements that desired, in order to build the anticipated system;
3. design and create a system that will resolve the problems in manual gathering of information, record students’ information and;
4. To evaluate and test the system depending to its functionality, efficiency, reliability and effectiveness in recording the students’ activities information.

**SCOPE AND LIMITATIONS**

Online Student Management and Records System for Cavite State University in Imus, Cavite has three different level of access those are Admin, Employee and Student. The admin is the head of all Employees which have full access on all part of the system. The Employee which can access students’ activity logs from variety of sections he/she’s handling with his/her subject. The Student which can only submit their works and check their activity logs.

**Registration Module**. It defines the user that is should be registered by the admin. The admin is the only one that can register other employee. After the admin had registered, Employees can join and be designated with their specific subject and schedules. The students can register and put on their subject codes in

order to join a professor/s class/es.

**Login Module**. The system will read the user and recognize it. Once it does it will give the user the appropriate level of access to the system.

**Content Module**. It has different subjects that are needed to show or to be displayed in the system. This module has sub-modules that include the different information that will be shown in the system. The Admin access both Employee and student’s personal information and subject code, the Employee can only access their student’s information and activity logs while the students can only check their submitted works and add subjects.

**Application Module**. It only has one type of module. This module is only for the admin. The admin can add, remove, edit an existing employee information to the system and check the logs of all users.

The limitations of the study were:

1. It is only applicable to the students that are studying in Cavite State University Imus Campus.
2. It cannot be access without internet connection and;
3. It doesn’t have a lot or variety of options to choose from as it was a small system only.

ERD:

ADMIN

Admin\_ID

Admin\_Name

Admin\_Age

Admin\_No

EMPLOYEE

Emp\_ID

Emp\_Name

Emp\_Age

Emp\_No

Fac\_ID

Fac\_Name

Fac\_Course

Faculty

Subject

Subj\_code

Subj\_name

FK\_StudID

Student

Stud\_ID

Stud\_Name

Stud\_Age

Stud\_No

Use Case Diagram:

**Create Account**

**Log In**



**Can use Add, Edit and Delete**

**Can add subject**

**Can submit works**

**Can check students’ logs**

**Student**

**Admin**

**View personal logs only**

**Log Out**

Activity Diagram:

Check Student information

Fill up necessary information in registering

Log in account

**Yes**

**No**

Verify the username given by the admin

**Students**

Log In Account

Create Account

**Client**

Determine the user

Add, Edit, Delete student information

Check their activity log

Propose Title: Student Management System

Software Requirements:

Windows 7, 8, 10 OS, Wamp/Xampp server,

Functionality:

Add – able to add new student information to the system.

Delete – able to delete student information from the system.

Edit – able to edit or update existing student data.

Log – able to trace a student’s activities, seatworks, assignments and date of their submission.

Submit – record a student’s activity, seatworks or assignments.

User Specification:

Admin – can access all functionalities on the system.

Staffs – can access specific logs based on their handled subjects/students.

Students – can enter their information to record their data on the system.

Design Implementation:

# What do you want to do?

**LOG**

**EDIT**

**DELETE**

Already have an account? Log In.

**Register**

**Log In**

Confirm Password

Username:

Password:

Confirm Password:

Enter Password

Enter Username

# Registration Form

Don’t have account yet? Register!

Password:

Username:

Enter Password

Enter Username

# Student Management System

System Functionalities (Students)

Log out

**LOG**

**SUBMIT**

# What do you want to do?

System Functionalities

Registration Form

Log in Form

**ADD**

**ADD**

Log out

Adding form

# Add Subject Code

Enter the subject code:

e.g. COSC-75B

ADD

Admin/Staffs Log accessibility

Back

Sample Name

Sample Name

Sample Name

Sample Name

Sample Name

Sample Name

Sample Name

Sample Name

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# Select a student

Student’s Log accessibility

# My Logs

09/20/2020

Assignment 1

Activity 1

09/23/2020

09/21/2020

Seatwork 1

Back

Product Teams:

Software Engineer: Naevhen Brian V. Agustin

Project Management: Ben Brian V. Nitsuga

Graphic Designer: Vivi Agustin

Business Flow:

User Requirements:

* User Friendly Interface
* Ease of access, functions, reliability, efficiency and quality.
* Visual Studio 2012 or higher
* Xampp/WAMP for storing data

Target Time: 4 months

Target of Development: 2 months

Target of Implementation: 1 month and 2 weeks